

HENRY'S KNOB



Katawba Environmental, Inc.

April 21, 2000

Mr. Mike Rivers, Hydrogeologist
South Carolina Department of Health
and Environmental Control
Bureau of Water
Groundwater Quality Section
2600 Bull Street
Columbia, South Carolina 29201-1708

RE: PHASE II ASSESSMENT
HENRY'S KNOB
SITE ID # 01460
YORK, SOUTH CAROLINA

Dear Mr. Rivers:

Katawba Environmental Inc. (Katawba) in conjunction with Terry Environmental Services, Inc. (TERRY), has prepared the enclosed Phase II Environmental Assessment for the above-referenced facility. This Phase II Assessment details site activities and provides limited conclusions based on work conducted to date.

It has been a pleasure working with you on this project. If we can be of further assistance or provide any additional information, please feel free to call.

Sincerely,

KATAWBA ENVIRONMENTAL, INC.

Alex Amos
Senior Consultant
Enclosure

c: Mr. Bill White
Mr. Melvin McKeown

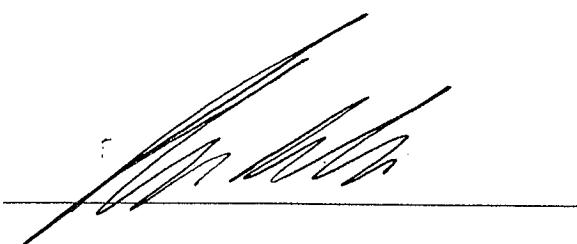
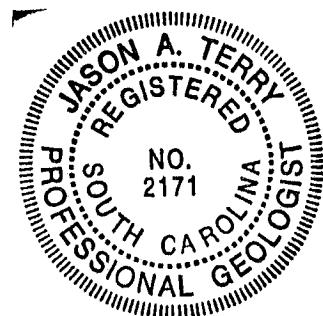


**PHASE II ENVIRONMENTAL SITE ASSESSMENT
HENRY'S KNOB KYANITE MINE PROPERTY
BETHANY TOWNSHIP, YORK COUNTY, SOUTH CAROLINA**

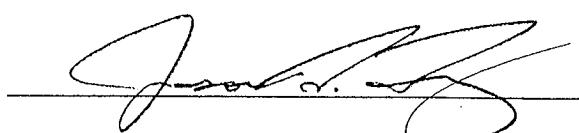
Prepared For:

YORK COUNTY

Submitted by:
KATAWBA ENVIRONMENTAL, INC.
in conjunction with
TERRY Environmental Services, LLC
P.O. Box 11228
Rock Hill, South Carolina 29731
(803) 327-0469
Fax (803) 327-1326

A handwritten signature of Alex Amos.

ALEX AMOS
Senior Consultant

A handwritten signature of Jason A. Terry.

JASON A. TERRY, PG
Senior Review

April 20, 2000

PHASE II ENVIRONMENTAL SITE ASSESSMENT

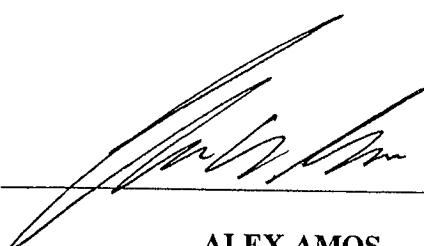
HENRY'S KNOB KYANITE MINE PROPERTY

BETHANY TOWNSHIP, YORK COUNTY, SOUTH CAROLINA

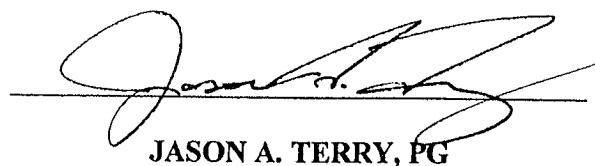
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ALEX AMOS
Senior Consultant



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Senior Review

April 20, 2000

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1.0 INTRODUCTION

KATAWBA Environmental, Inc. (KATAWBA) was contracted by York County, South Carolina to implement a PHASE II ENVIRONMENTAL SITE ASSESSMENT for the Henry's Knob Kyanite Mine located in the Township of Bethany (see Figure 1). This assessment was requested based upon the recommendations of the Phase I ESA conducted for the property by Katawba. The Phase II ESA included well installations, soil sampling, groundwater sampling, and sediment sampling of the pond located on-site. The objectives of the Phase II ESA were to evaluate the environmental concerns discovered during the Phase I ESA regarding their threat to human health and the environment as well as any environmental liability associated with ownership of the property.

2.0 GENERAL DESCRIPTION OF SITE

The Henry's Knob Kyanite Mine is located on Henry's Knob Road near the Township of Bethany, York County, South Carolina. The site is situated on a topographic high and encompasses an area of approximately 185 acres. The site location is provided as Figure 1, Appendix A and a topographic map of the area is provided as Figure 2, Appendix A.

Between 1947 and 1970, the property was actively mined for its source of Kyanite, also known as Cyanite, which is an aluminum mineral having the formula Al_2SiO_5 . Kyanite is usually found in schists and gneiss and is composed of white to blue-gray or black, long blade-like crystals. It has a glassy to pearly luster, a Specific Gravity of 3.6, and a Hardness of 4 to 5 along the crystal axis and 7 across the crystal axis. Mining operations were performed by Commercialores AKA Combustion Chemicals. During the 1980s, the site was used for a recreational park. Since that time, the property has been used solely for residential purposes.

During the Phase I and Phase II Assessments, the site was the location of a house, a mobile home, and several concrete structures associated with the former mining operations. The site is bounded by Highway 55 to the north with numerous residential properties abutting the subject site to the west. There is vacant land adjacent to the north and west of the site and the surrounding properties appear to be used primarily for residential and agricultural purposes. Photographs of the site are provided in Appendix B.

3.0 GEOLOGY AND HYDROGEOLOGY

The subject site lies within the Piedmont Physiographic Province. Soils in this area are typically clayey in nature and are characteristically a sandy clay. Underlying bedrock consists of crystalline, low to medium grade gneiss and schists.

In the Piedmont Province, groundwater occurs in two hydraulically interconnected zones. The water table zone allows water through to the interstitial voids in the saprolite. This upper aquifer is influenced directly by climatic factors and fluctuates in response to seasonal precipitation events, barometric pressure changes, evapotranspiration, etc. Groundwater flow in this aquifer generally conforms to the local topography. Groundwater in the crystalline bedrock is transported along fractures and joints. Fracturing of the bedrock decreases in number and size as depth from the surface increases.

Site-specific stratigraphy was characterized as a red clay during the Phase II Investigation. This clay would tend to provide for a relatively low seepage (groundwater flow) velocity away from the site and therefore migration of any contaminants discovered should be minimal. This, however, only applies to the clay zone. Groundwater flow velocities within fractured, crystalline bedrock would be highly variable and velocities could range over several orders of magnitude. Groundwater flow at the site within the water table zone should be in a radial pattern away from the topographic high of the knob.

4.0 RESULTS OF PHASE I INVESTIGATION

The Phase I Investigation yielded the following conclusions:

- The vehicle maintenance area at the entrance of the subject site should be investigated for the presence of contaminants. It is known that this area was used for maintaining and servicing of mining equipment and was allegedly used to store drums of unidentified waste for a limited time.
- The pond area at the center of the mine void should be investigated for the presence of contaminants associated with the former mining operations. Illegal burial of materials could have taken place at/in the pond.
- A subsurface investigation at the peak of the knob should be performed to ascertain the amount of solid waste at the shingle dump area.
- Subsurface shallow borings should be placed in the mine tailings and drainage basins to identify possible contaminants contributing to stressed vegetation.
- The subject property appears to be in violation of Stormwater Regulations and may require a stormwater permit.

5.0 PHASE II INVESTIGATION

The Phase II Investigation included the installation of three monitoring wells in the former maintenance area, one monitoring well in the former mining operations area, the collection of four soil samples from area ditches, and the collection of three sediment and three surface water samples from the pond. All sample collection and handling was performed in accordance with South Carolina Department of Health and Environmental Control (SCDHEC) Guidelines.

5.1 WELL INSTALLATIONS

Four shallow monitoring wells were installed in the locations indicated on Figure 3, Appendix A. The wells were installed using hollow-stem auger (HSA) techniques to a depth of 25 feet below grade for wells MW-1 thru MW-3. Well MW-4 was installed to a depth of 55 feet below grade due to the higher ground surface elevation. The SCDHEC Water Well Records are provided in Appendix C, and well construction details are provided in Table 1, Appendix A.

Following installation, the wells were developed and subsequently sampled. Collected samples were analyzed for Volatile Organic Compounds according to USEPA Analytical Method 8260, Polynuclear Aromatic Hydrocarbons according to USEPA Analytical Method 8270, pH, Conductivity, Metals (antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, magnesium, mercury, nickel, selenium, silver, tin, zinc) using various USEPA methods, and Oil and Grease according to USEPA Analytical Method 9071. Analytical results are provided in Table 2, Appendix A.

5.2 DITCH SAMPLING

On March 22, 2000, soil samples were collected from a total of four area ditches as shown in Figure 3, Appendix A using the grab method. These soil samples were submitted to the analytical laboratory and analyzed for Volatile Organic Compounds according to USEPA Analytical Method 8260, Polynuclear Aromatic Hydrocarbons according to USEPA Analytical Method 8270, pH, Conductivity, Metals (antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, magnesium, mercury, nickel, selenium, silver, tin, zinc) using various USEPA methods, and Oil and Grease according to USEPA Analytical Method 9071.

Two additional soil samples were collected on April 6, 2000 and analyzed using the Toxicity Characteristics Leachate Procedure (TCLP) for arsenic. The results indicated no detection of arsenic following the procedure. Analytical results are provided in Table 2, Appendix A.

5.3 POND SAMPLING

On March 16, 2000, sediment and surface water samples were collected from a total of six (three each) areas within the pond as shown in Figure 3, Appendix A. The sediment samples were collected by a team of underwater divers during their survey of the pond. The samples were submitted to the analytical laboratory and analyzed for Volatile Organic Compounds according to USEPA Analytical Method 8260, Polynuclear Aromatic Hydrocarbons according to USEPA Analytical Method 8270, pH, Conductivity, Metals (antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, magnesium, mercury, nickel, selenium, silver, tin, zinc) using various USEPA methods, and Oil and Grease according to USEPA Analytical Method 9071.

Additional groundwater samples were collected from the pond on March 22, 2000. Two of these samples were analyzed for pH and Conductivity only, whereas the third sample was also analyzed for Volatile Organic Compounds according to USEPA Analytical Method 8260. Analytical results are provided in Table 2, Appendix A and the pond survey results are provided as Figure 4, Appendix A.

During the sampling of the pond, several important observations were noted. First, the water within the pond appears to have a significant corrosive quality. Much of the dive equipment was tarnished or corroded within two dives into the pond. According to the divers, the corrosion and tarnishing was in excess of what would be expected from exposure to seawater over several months. In addition, the divers experienced redness and very dry cracking skin where exposed to the water, and a sensation in the facial area similar to sunburn. It should be noted here that the analytical results from the pond samples indicated a pH of approximately 2.86.

Evidence of 6-7 submerged vehicles was discovered during the pond survey and when the sediment around the vehicles was disturbed a petroleum hydrocarbon material rose to the surface and formed several oil slicks. Several of the vehicles are in shallow areas and could pose a threat to swimmers due to jagged metal edges. A thick sediment layer prevented further evaluation and as such additional items could have been buried beneath the sediment. Given the thickness of the sedimentary layer and the amount of metal (submerged vehicles) observed, further investigation with a metal detection device would most likely be inconclusive.

6.0 SUMMARY*Review Sediment Data*

Based upon the analytical results from the soil, groundwater, sediment, and surface water samples collected during the Phase II Investigation, the following conclusions can be made:

- Minimal levels of contaminants were found associated with soil boring SB-1 (1,2-Dichloroethane reported at 5.9 ug/kg). However, based on the very low levels discovered and inasmuch as this contaminant was not discovered in the other borings, this may have resulted from laboratory contamination.
- Monitoring well MW-2 was reported to have levels of cadmium and lead above the Risk Based Screening Levels (24 ug/l and 140 ug/l, respectively).
- The sediment samples collected from the pond have an average pH of 3.35. In addition, these samples were reported as having various metals in excess of the laboratory detection levels. These metals were arsenic, barium, chromium, copper, and lead, but not all of these metals were detected for each of the samples.
- The sediment samples collected from the pond were also reported to have concentrations of acetone above detection level. However, acetone detection is generally considered to be caused by laboratory artifact and is more than likely not a cause for concern at the site.
- The surface water samples collected from the pond were reported to have elevated levels of chromium, copper, cobalt, magnesium, nickel, and zinc. Also, an average pH level of 2.83 was reported for the surface water samples as was an average Specific Conductance of 1823 umhos/cm.
- The soil samples collected from the ditches were reported to have elevated levels of arsenic, barium, chromium, copper, lead, cobalt, tin, antimony, cadmium, and selenium.
- The groundwater samples collected from the shallow monitoring wells were reported to have elevated levels of arsenic, barium, cadmium, chromium, cobalt, copper, magnesium, nickel, lead, zinc, and mercury. Also, an average pH of 3.45 was reported as was an average Specific Conductance of 2390 umhos/cm.
- Of the metals detected from the soil samples, only arsenic was detected at levels above USEPA Risk Based Concentrations. Two soil samples were subsequently collected and analyzed using the TCLP Procedure for arsenic and the results indicated no detection of arsenic. This tends to indicate that the arsenic in the soil is not significantly leachable. This is supported by the fact the arsenic was not detected in the surface water samples collected from the pond, but it is contradicted by the detection of arsenic in the shallow monitoring wells.

7.0 CONCLUSIONS

In general, the results of the Phase II Investigation indicate no significant petroleum hydrocarbon contamination, but provide for concern related to the elevated metals concentrations in the soil and groundwater, the apparent lack of aquatic life in the pond, and the substantial lack of vegetation across the majority of the former active areas of the site.

As previously mentioned, only one metal (arsenic) was reported to be above a Risk Based Screening Level for the soil samples tested. Although further testing using the TCLP method yielded no detection of arsenic, there are still concerns associated with the detection of elevated metals concentrations in the soil because the SCDHEC evaluates soil contamination on a case-by-case basis. As such, the regulatory agency could require additional testing and investigation and could also request remediation. Disclosure of this report to the regulatory agency could yield valuable insight as to their future response, if any, to the metals content of the soils at the site.

Cadmium and lead were reported to be above Risk Based Screening Levels for the groundwater at monitoring well MW-2. Given that MW-1 and MW-3 did not report these metals above the Risk Based Screening Levels, the argument that the concentrations at MW-2 represent background would be difficult to make. As a result of this detection, the request from the SCDHEC for additional groundwater assessment activities is probable.

The lack of aquatic life in the pond appears to be due to the low pH (2.86), however, there may be additional factors present. The ideal pH for a pond environment would be in the range of 6.8 - 7.2. It may be possible to mitigate the pH level of the pond using aerators, the addition of lime or other pH buffering materials, etc. Given the low pH of the surrounding soil, however, this would most likely be an ongoing process.

The lack of vegetation across the majority of the former active areas of the site is most likely due to a combination of factors, including pH, soil erosion, land slope, organic content of soil, etc. This could be addressed by adding lime or other pH buffering materials, a cover of topsoil, etc. However, given the extent of exposed soil to be addressed (assumed to be all exposed soil with little to no vegetation), this could be cost prohibitive.

8.0 RECOMMENDATIONS

Based upon the conclusions presented in Section 8.0 and upon the understood desired usage of the subject site as a recreational facility or park, the following recommendations are provided:

- This report should be forwarded to the SCDHEC Project Manager, Mr. Mike Rivers, for his review and comments. The disclosure of the groundwater data for the monitoring wells is required by South Carolina law and the disclosure of the soils data could yield significant insight as to the regulatory agency's response to the elevated metals concentrations.
- The costs associated with addressing the low pH of the pond and the soil across the site should be determined.
- Based upon the response from the regulatory agency and the costs associated with addressing the pH of the pond and the re-establishment of vegetative cover, the decision as to whether to pursue the property further should be made. If the decision is made to pursue the property further, all restoration activities should be coordinated with the SCDHEC Project Manager so as to facilitate successful project completion as soon and as economically as possible.

9.0 LIMITATIONS

This Phase II Environmental Site Assessment has been prepared for the exclusive use of the client, York County, and is in accordance with generally accepted standards of Engineering and Geology as practiced in the State of South Carolina. No sampling or analytical testing was performed other than specified. Information was obtained from publicly available and reasonably ascertainable sources. No attempt was made to determine the validity or the accuracy of these sources. No other warranty is expressed or implied. Katawba Environmental, Inc. and/or TERRY Environmental Services, LLC accept no responsibility for damages or claims resulting from past or future contamination, subsequent remediation, or the disclosure of this report in whole or part to any regulatory agency(s).

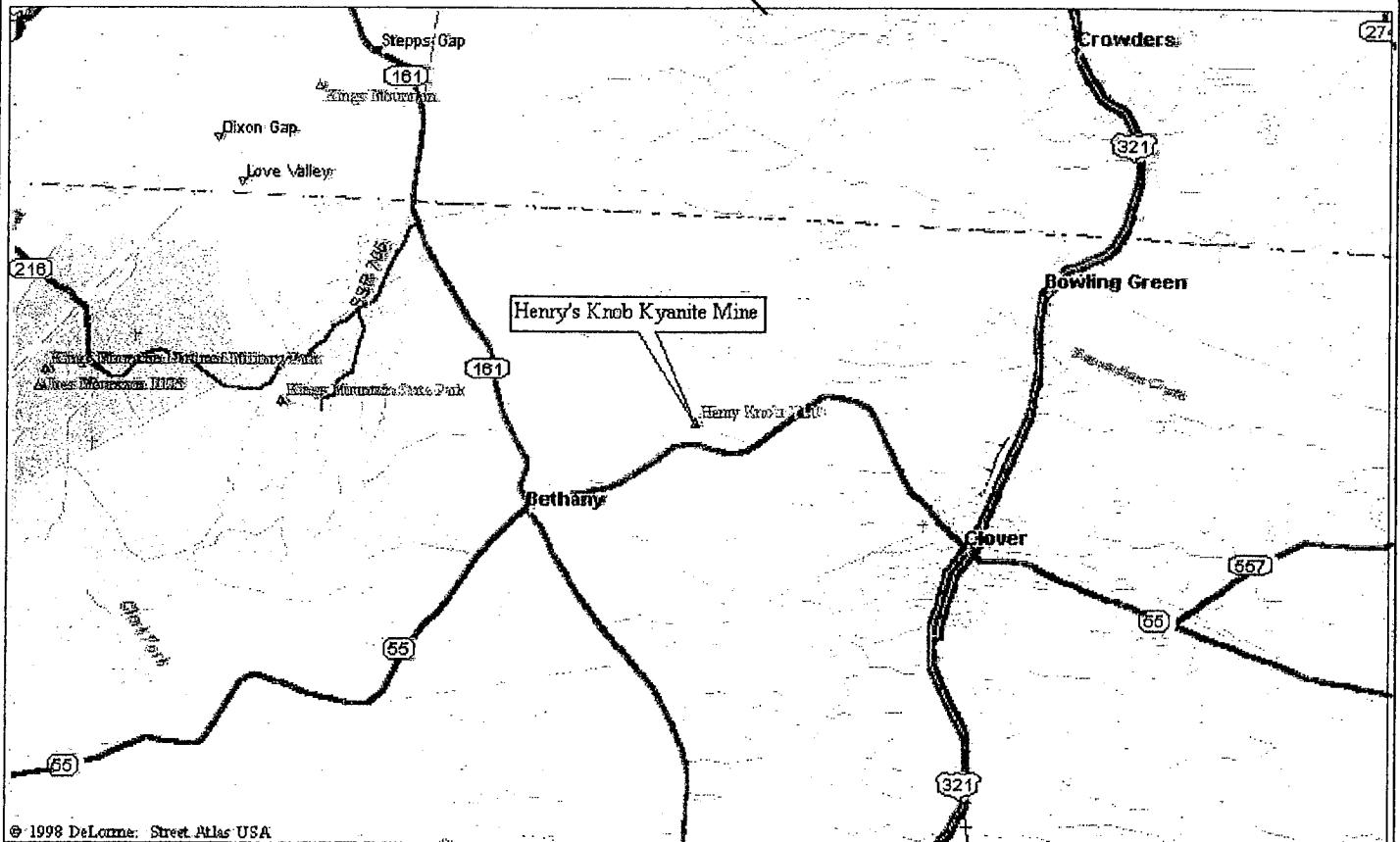
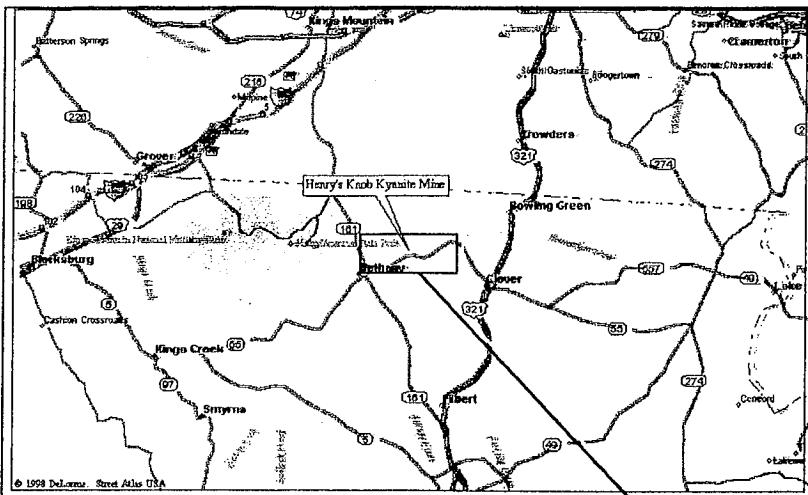
10.0 REFERENCES

South Carolina Department of Health and Environmental Control, 1995, *Risk-Based Corrective Action (RBCA) Applied for Petroleum Releases Document*, Columbia, SC.

Zim, H.S. and Shaffer, P.R., 1957, Rocks And Minerals - A Guide to Familiar Minerals, Gems, Ores, and Rocks, Golden Press, New York, NY.

APPENDIX A

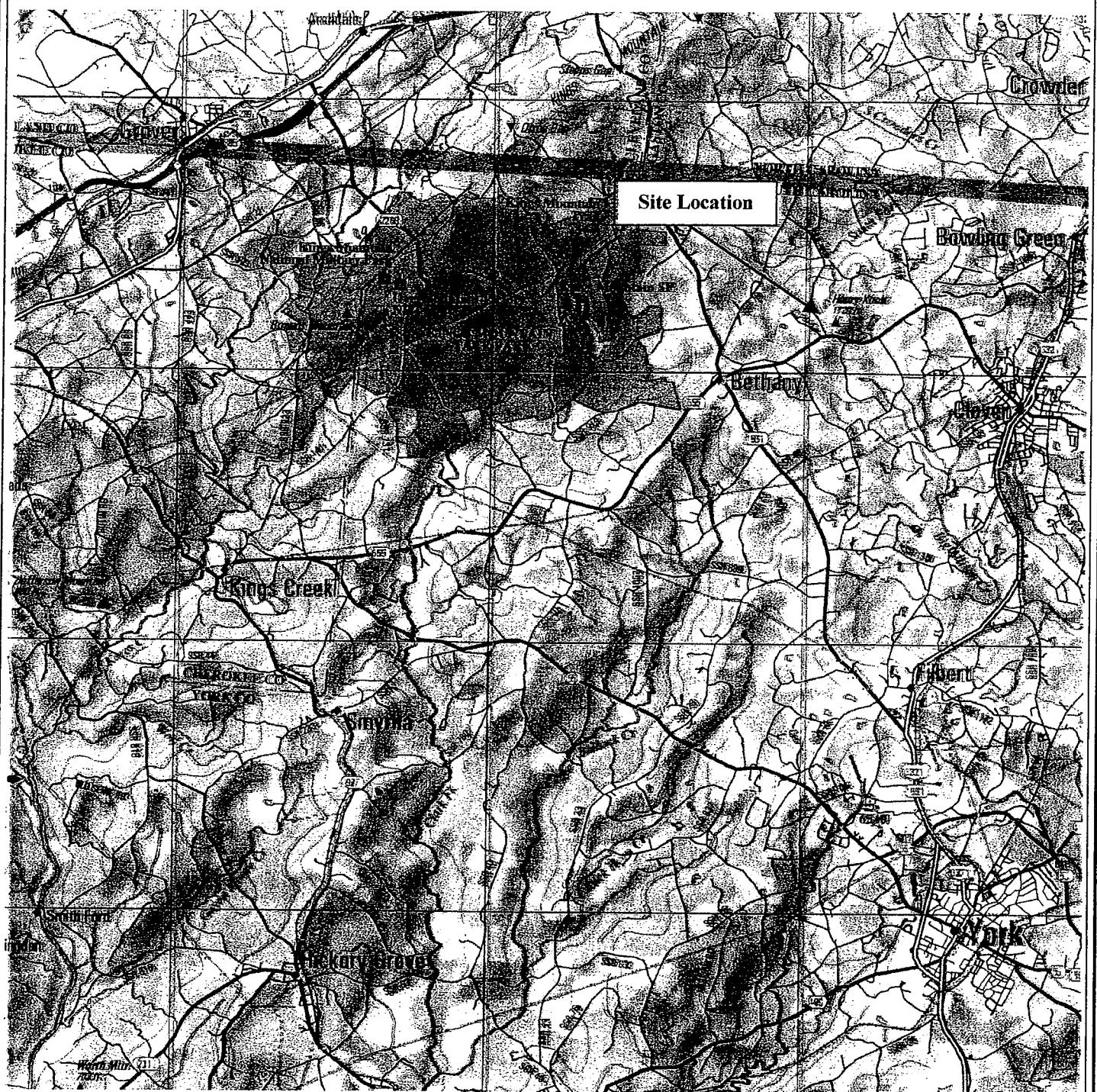
FIGURES AND TABLES



Source: DeLorme Street Atlas USA

KATAWBA ENVIRONMENTAL, INC
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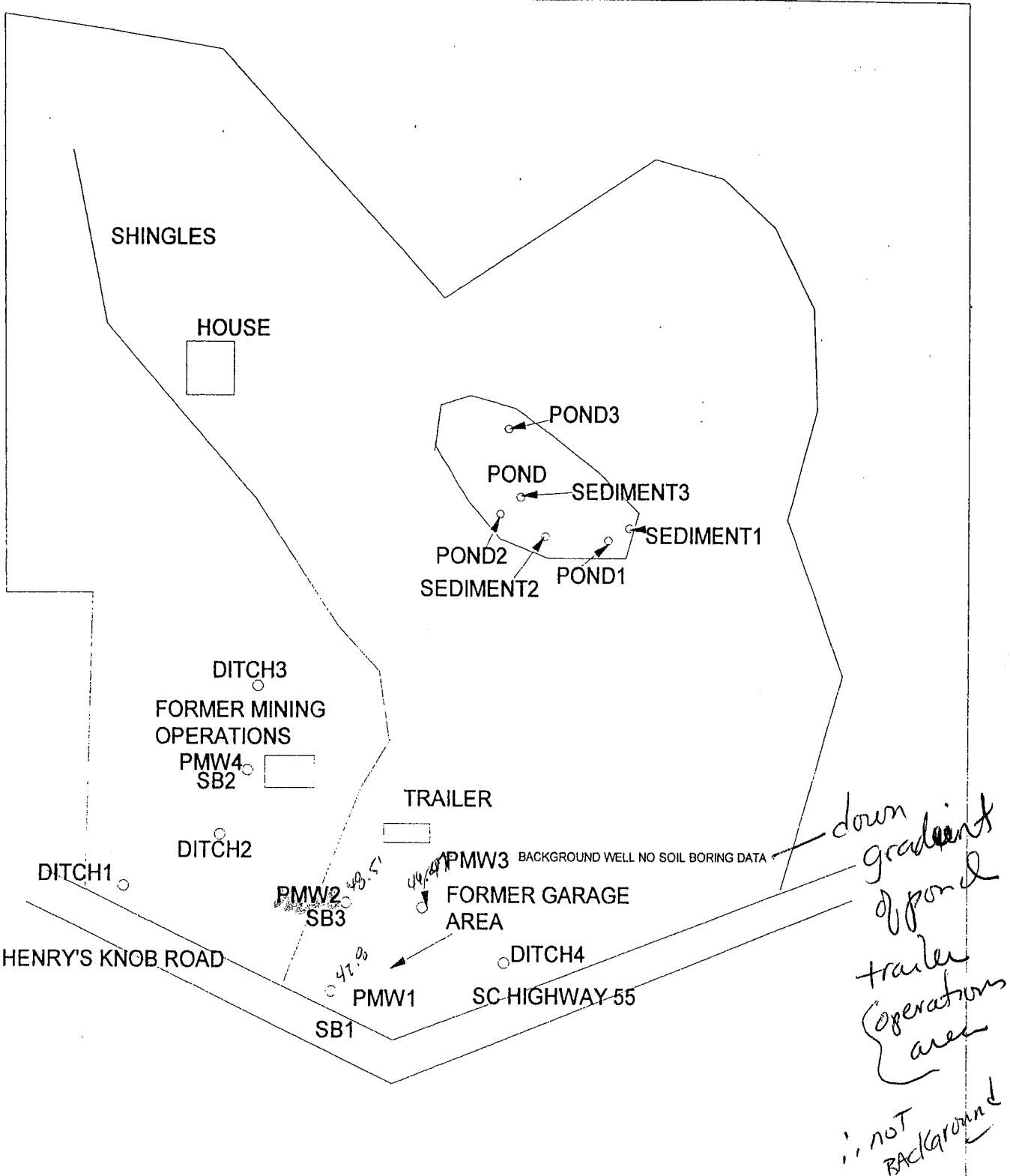
FIGURE 1
SITE LOCATION
HENRY'S KNOB KYANITE MINE SITE
BETHANY TOWNSHIP, SOUTH CAROLINA
April 20, 2000



Source: Delorme South Carolina Topographic Atlas
Scale: 1" = 2.4 miles

KATAWBA ENVIRONMENTAL, INC
P.O. BOX 11228
ROCK HILL, SC 29730 UST ASBESTOS PHASE I
(803) 327-0469

FIGURE 2
SITE LOCATION ON USGS TOPOGRAPHIC MAP
HENRY'S KNOB KYANITE MINE SITE
BETHANY TOWNSHIP, SOUTH CAROLINA
April 20, 2000



NOT TO SCALE

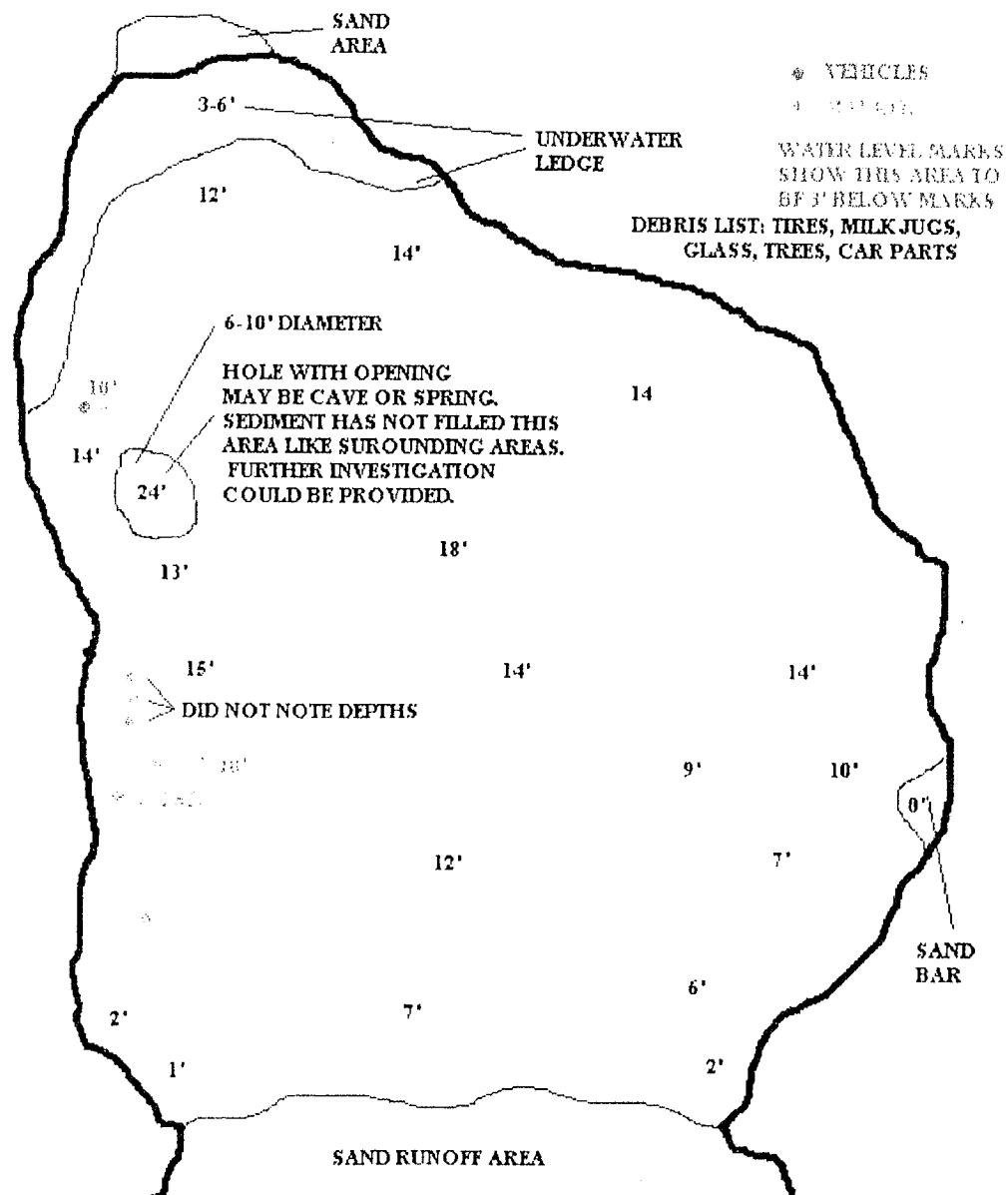
KATAWBA ENVIRONMENTAL, INC.
P.O. BOX 11228 UST Asbestos Phase I
ROCK HILL, SC 29731
(803) 327-0469

TITLE
SITE LOCATION MAP

PROJECT	HENRY'S KNOB HENRY'S KNOB ROAD YORK COUNTY SOUTH CAROLINA		
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DRAWN BY:	AA	DATE	1/25/00	DRAWING #	3
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KATAWBA ENVIRONMENTAL INC.



unlabeled
stated?

Table 1
Well Construction Details
Henry's Knob Kyanite Mine

Well #	Installation Date	Screened Interval	Total Depth	TOC Elevation*
MW-1	March 8, 2000	15 - 25	25	61.8
MW-2	March 8, 2000	15 - 25	25	67.51
MW-3	March 8, 2000	15 - 25	25	65.47
MW-4	March 8, 2000	45 - 55	55	95.38

g w
42.8
48.51
46.47

* Uses assumed elevation of 100' - nail set in TBM (power pole)
See Registered Survey for TBM location

Aug 19
 Soil
Table 2
Summary of Analytical Data - Soil
Henry's Knob Kyanite Mine

Parameter	SED1	SED2	SED3	SB-1	SB-2	SB-3	DCH1	DCH2	DCH3	DCH4
Oil/Grease (mg/kg)	ND	ND	ND	---	---	---	ND	ND	ND	ND
pH (S.U.)	3.18	3.68	3.19	---	---	---	4.33	4.21	2.87	3.88
Spec Cond (umhos/cm)	---	---	---	---	---	---	---	---	---	---
Acetone (ug/kg)	ND	63	88	---	---	---	ND	97	68	26
1,2-Dichloroethane (ug/kg)	ND	ND	ND	5.9	---	---	ND	ND	ND	ND
VOC - 8260 (ug/kg)	ND									
PAH - 8270 (ug/kg)	ND									
Antimony (mg/kg)	ND	ND	ND	---	---	---	ND	ND	ND	ND
Arsenic (mg/kg)	0.94	1.1	ND	---	---	---	3.5	2.2	0.85	4.7
Barium (mg/kg)	4.7	3.3	ND	---	---	---	100	21	64	62
Cadmium (mg/kg)	ND	ND	ND	---	---	---	0.84	0.48	ND	0.31
Chromium (mg/kg)	1.8	2.3	1.3	---	---	---	5.4	0.29	ND	0.63
Cobalt (mg/kg)	ND	ND	ND	---	---	---	ND	2.9	ND	ND
Copper (mg/kg)	9.8	8.6	5	---	---	---	16	4.3	2.6	7.4
Lead (mg/kg)	ND	2.2	1.2	---	---	---	3.8	ND	94	2.3
Magnesium (mg/kg)	ND	ND	ND	---	---	---	ND	ND	ND	ND
Nickel (mg/kg)	ND	ND	ND	---	---	---	ND	ND	ND	ND
Selenium (mg/kg)	ND	ND	ND	---	---	---	2.1	3	1.9	1.4
Silver (mg/kg)	ND	ND	ND	---	---	---	ND	ND	ND	ND
Tin (mg/kg)	ND	ND	ND	---	---	---	ND	ND	3.7	ND
Zinc (mg/kg)	ND	ND	ND	---	---	---	ND	ND	ND	ND
Mercury (mg/kg)	ND	ND	ND	---	---	---	ND	ND	ND	ND

Notes:

ND Not Detected

mg/kg milligrams per kilogram

ug/kg micrograms per kilogram

SED Sediment sample collected from Pond

SB Soil Boring

DCH Ditch sample

--- Not Analyzed for this sample

Table 2 cont'd
Summary of Analytical Data - Groundwater
Henry's Knob Kyanite Mine

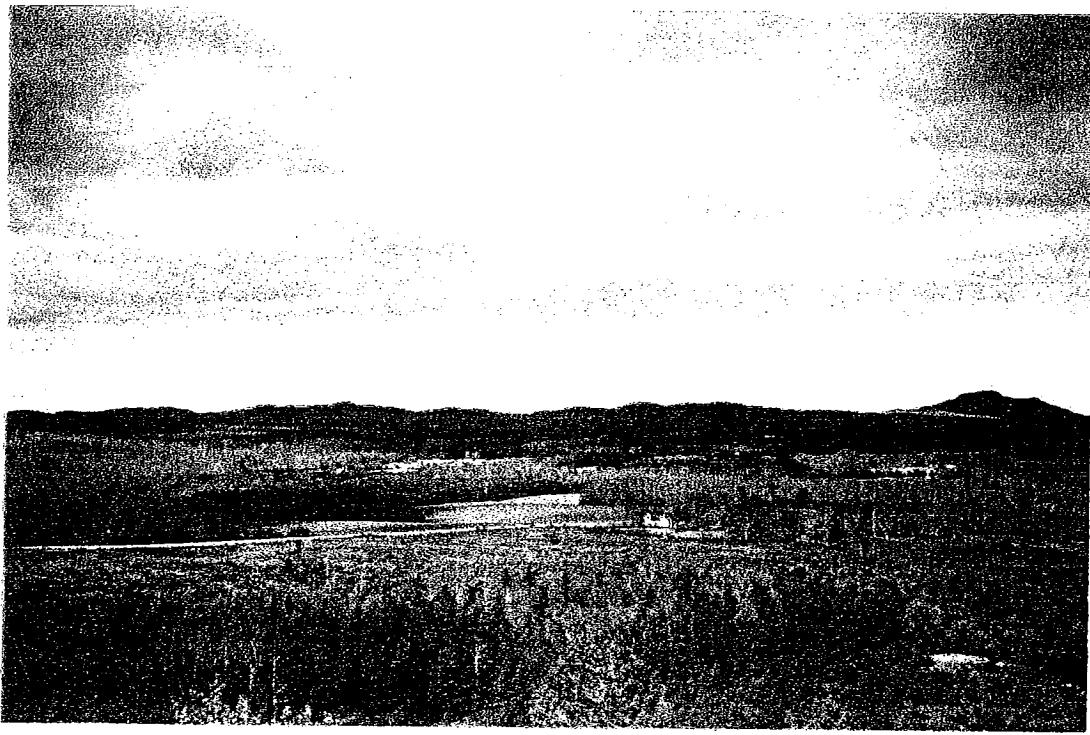
Parameter	MW-1	MW-2	MW-3	PND1	PND2	PND3
Oil/Grease (mg/l)	ND	ND	ND	ND	ND	ND
pH (S.U.)	3.57	3.52	3.26	2.82	2.86	2.82
Spec Cond (umhos/cm)	1860	2910	2400	1810	1820	1840
VOC - 8260	ND	ND	ND	ND	ND	ND
PAH - 8270	ND	ND	ND	ND	ND	ND
Antimony (mg/l)	ND	ND	ND	ND	ND	ND
Arsenic (mg/l)	ND	0.047	0.0054	ND	ND	ND
Barium (mg/l)	0.079	1.1	0.057	ND	ND	ND
Cadmium (mg/l)	ND	0.024	0.0036	ND	ND	ND
Chromium (mg/l)	ND	0.065	0.038	0.0055	ND	0.01
Cobalt (mg/l)	0.43	0.31	0.35	0.11	0.088	0.17
Copper (mg/l)	0.31	0.66	0.33	0.34	0.27	0.65
Lead (mg/l)	ND	0.14	ND	ND	ND	ND
Magnesium (mg/l)	42	22	26	20	16	34
Nickel (mg/l)	0.11	0.091	0.12	0.042	ND	0.071
Selenium (mg/l)	ND	ND	ND	ND	ND	ND
Silver (mg/l)	ND	ND	ND	ND	ND	ND
Tin (mg/l)	ND	ND	ND	ND	ND	ND
Zinc (mg/l)	1.1	0.56	0.48	0.31	0.24	0.54
Mercury (mg/l)	0.00013	ND	ND	ND	ND	ND

LAB
#S NOT
VALID -

Notes:

ND Not Detected
 mg/l milligrams per liter
 ug/l micrograms per liter
 PND Pond sample

APPENDIX B
PHOTOGRAPHS OF PROPERTY



PHOTOGRAPH 1 VIEW OF ADJACENT PROPERTY TO THE NORTHWEST



PHOTOGRAPH 2 MINE TAILINGS AND ASSOCIATED LAKE

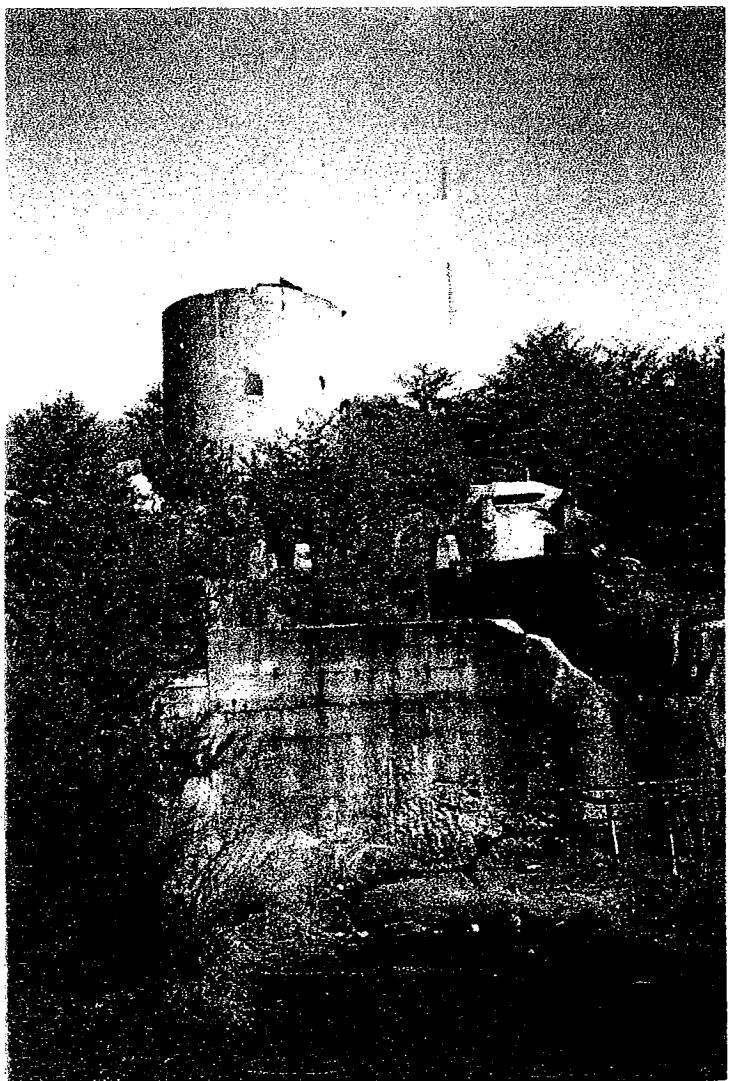
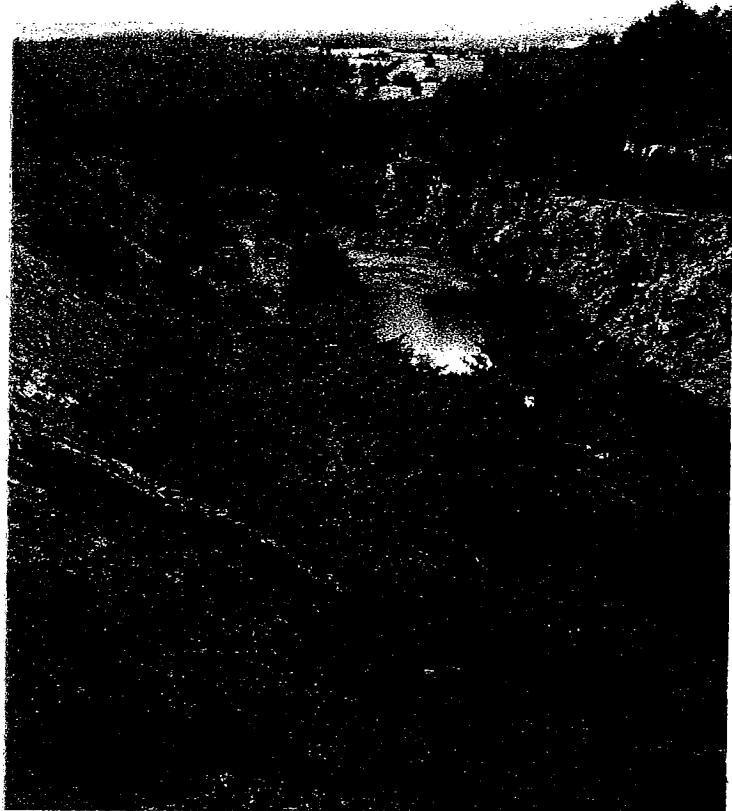


PHOTOGRAPH 3 ROOFING DEBRIS AT SUBJECT SITE



PHOTOGRAPH 4 FORMER GARAGE AREA

PHOTOGRAPH 5
MINE VOID TO THE
SOUTH WEST



PHOTOGRAPH 6
FORMER MINING OPERATION
BUILDINGS

APPENDIX C
WELL INSTALLATION DETAILS



2600 Bull Street
Columbia, SC 29201-1708

February 23, 2000

COMMISSIONER:
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Larry R. Chewning, Jr., DMD

Mr. Alex W. Amos
Katawba Environmental, Inc.
P.O. Box 11228
Rock Hill, South Carolina 29730

RE: Henry's Knob - Bethany Township (former Kyanite Mine); Site ID# 01460
Monitoring Well Proposal dated February 16, 2000
York County

Dear Mr. Amos:

The South Carolina Department of Health and Environmental Control (Department) has reviewed and approved the referenced monitoring well installation request. The groundwater analytical results should be submitted to my attention within thirty (30) days of receipt from the laboratory.

If you have any questions, please call me at (803) 898-4258.

Sincerely,

Michael Rivers
Michael Rivers, Hydrogeologist
Groundwater Quality Section
Water Monitoring, Assessment,
and Protection Division

MR
HENRYS1

Attachment: Monitoring well approval

cc: Catawba District - EQC
Ms. Amanda Owens



2600 Bull Street
Columbia, SC 29201-1708

COMMISSIONER:
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Date of Issue: February 23, 2000
Approval No. 727

Monitoring Well Installation Approval

Approval is hereby granted to: Catawba Environmental, Inc.
(on behalf of): York County
Henry's Knob - Bethany Township (former Kyanite Mine); Site ID #01460
County: York

This approval is for the construction of monitoring wells designated MW-1 through MW-4 in accordance with the construction plans and technical specifications submitted to the Department on February 16, 2000. The wells will be constructed within the surficial aquifer for the intended purpose of monitoring groundwater quality and/or water levels at the referenced facility. Approval is provided with the following conditions:

1. The surveyed elevations, boring and/or geologist logs and actual (as built) construction details for each well shall be submitted to the Department within thirty (30) days of completion. The actual well locations shall be plotted on a scaled map.
2. Well construction and sampling derived waste including, but not necessarily limited to, drill cuttings, drilling fluids, purge and development water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be labeled with regard to contents, source, and date of activity.
3. A minimum of forty-eight (48) hours prior to initiation of drilling activities, provide notice to the Catawba District EQC Office at (803) 285-7461.
4. Submit groundwater quality analytical data, water levels and in situ field measurements within thirty (30) days of receipt from the laboratory.
5. The wells shall be installed by a well driller certified by the State of South Carolina.
6. Each well shall contain a surface cement pad constructed in accordance with R.61-71.11 C.(3) to prevent infiltration between the surface casing and the bore hole.

Mr. Alex W. Amos
Henry's Knob - Bethany Township (former Kyanite Mine)
February 23, 2000
Page 2

7. Each well shall be labeled with an identification plate constructed of a durable material affixed to the casing or surface pad where it is readily visible. The plate shall provide monitoring well I.D.#, date of construction, static water level, and driller name with State certification number.
8. Well abandonment shall be in accordance with R.61-71.10.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and the Department of Health and Environmental Control Regulations R.61-71.

Approved by:



Michael Rivers, Hydrogeologist
Groundwater Quality Section
Bureau of Water

MR



Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL:		4. OWNER OF WELL: Former Kyanite Mine Site Address:	
County:	System Name: <i>MW #1</i>	Telephone No.:	
Latitude:	Longitude:	Engineer: Katowba Environmental, Inc. Address: PO Box 11228 Rock Hill, South Carolina 29731	
Distance and Direction from Road Intersection: See attached site location map		Telephone No.: 803-327-0469	
Street Address & City of Well Location: Clover, South Carolina		5. WELL DEPTH (completed) Date Started: 03-08-00	
Sketch Map: See attached site map		25 ft.	Date Completed: 03-08-00
		6. <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Jetted <input checked="" type="checkbox"/> Bored <input type="checkbox"/> Dug <input type="checkbox"/> Air Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Cable tool <input type="checkbox"/> Other	
		7. USE: <input type="checkbox"/> Domestic <input type="checkbox"/> Public Supply-Permit No. _____ <input type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Commercial <input type="checkbox"/> Test Well <input checked="" type="checkbox"/> Monitor Well	
2. CUTTING SAMPLES: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		8. CASING: <input checked="" type="checkbox"/> Threaded <input type="checkbox"/> Welded Diam.: 2" Height: Above/Below Type: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Galvanized Surface _____ ft. <input type="checkbox"/> Steel <input type="checkbox"/> Other Weight _____ lb./ft. 2 in. to 15 ft. depth Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No in. to _____ ft. depth	
Geophysical Logs: <input type="checkbox"/> Yes (please enclose) <input checked="" type="checkbox"/> No		9. SCREEN Type: PVC Diam.: 2" Slot/Gauge: .010 Length: 10' Set Between: 15 ft. and 25 ft. NOTE: MULTIPLE SCREENS ft. and _____ ft. USE SECOND SHEET Sieve Analysis <input type="checkbox"/> Yes (please enclose) <input checked="" type="checkbox"/> No	
		10. STATIC WATER LEVEL 19 ft. below land surface after 24 hours	
		11. PUMPING LEVEL Below Land Surface. ft. after _____ hrs. Pumping _____ G.P.M. Pumping Test: <input type="checkbox"/> Yes (please enclose) <input checked="" type="checkbox"/> No Yield: _____	
		12. WATER QUALITY Chemical Analysis <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacterial Analysis <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Please enclose lab results.	
		13. ARTIFICIAL FILTER (gravel pack) <input type="checkbox"/> Yes <input type="checkbox"/> No Installed from 13 ft. to 25 ft. Effective size #2 Uniformity Coefficient _____	
		14. WELL GROUTED? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Neat Cement <input type="checkbox"/> Sand Cement <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Other _____ Depth: From 0 ft. to 2 ft.	
		15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction Type well disinfected <input type="checkbox"/> Yes Type: _____ upon completion <input type="checkbox"/> No Amount: _____	
		16. PUMP: Date installed: _____ Not installed <input checked="" type="checkbox"/> Mfr. Name: _____ Model No.: _____ H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity _____ gpm TYPE: <input type="checkbox"/> Submersible <input type="checkbox"/> Jet (shallow) <input type="checkbox"/> Turbine <input type="checkbox"/> Jet (deep) <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal	
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.	
3. Remarks:		Registered Business Name: Cypress Bay Geological Date: 3/8/00	
		Address: 262 Geology Lane, Walterboro, South Carolina 29488	
		Signed <i>[Signature]</i> Authorized Representative	Cert. No.: 835



Water Well Record
Bureau of Water

1. LOCATION OF WELL:			4. OWNER OF WELL: Former Kyanite Mine Site Address:		
County:	System Name: <i>MW#2</i>		Telephone No.:		
Latitude:	Longitude:		Engineer: Katawba Environmental, Inc. Address: PO Box 11228 Rock Hill, South Carolina 29731		
Distance and Direction from Road Intersection: See attached site location map			Telephone No.: 803-327-0469		
Street Address & City of Well Location: Clover, South Carolina			5. WELL DEPTH (completed) Date Started: 03-08-00		
Sketch Map: See attached site map			25 ft. Date Completed: 03-08-00		
			6. <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Jetted <input checked="" type="checkbox"/> Bored <input type="checkbox"/> Dug <input type="checkbox"/> Air Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Cable tool <input type="checkbox"/> Other		
			7. USE: <input type="checkbox"/> Domestic <input type="checkbox"/> Public Supply-Permit No. _____ <input type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Commercial <input type="checkbox"/> Test Well <input checked="" type="checkbox"/> Monitor Well <input type="checkbox"/>		
			8. CASING: <input checked="" type="checkbox"/> Threaded <input type="checkbox"/> Welded Diam.: 2" Height: Above/Below Type: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Galvanized Surface _____ ft. <input type="checkbox"/> Steel <input type="checkbox"/> Other Weight _____ lb./ft. 2 in. to 15 ft. depth Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No in. to ft. depth		
			9. SCREEN Diam.: 2" Type: PVC Slot/Gauge: .010 Length: 10' Set Between: 15 ft. and 25 ft. NOTE: MULTIPLE SCREENS ft. and ft. USE SECOND SHEET Sieve Analysis <input type="checkbox"/> Yes (please enclose) <input checked="" type="checkbox"/> No		
			10. STATIC WATER LEVEL 19 ft. below land surface after 24 hours		
			11. PUMPING LEVEL Below Land Surface, ft. after _____ hrs. Pumping _____ G.P.M. Pumping Test: <input type="checkbox"/> Yes (please enclose) <input checked="" type="checkbox"/> No Yield: _____		
			12. WATER QUALITY Chemical Analysis <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacterial Analysis <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Please enclose lab results.		
			13. ARTIFICIAL FILTER (gravel pack) <input type="checkbox"/> Yes <input type="checkbox"/> No Installed from 13 ft. to 25 ft. Effective size #2 Uniformity Coefficient _____		
			14. WELL GROUTED? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Neat Cement <input type="checkbox"/> Sand Cement <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Other _____ Depth: From 0 ft. to 2 ft.		
			15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction Type well disinfected <input type="checkbox"/> Yes Type: _____ upon completion <input type="checkbox"/> No Amount: _____		
			16. PUMP: Date installed: _____ Not installed <input checked="" type="checkbox"/> Mfr. Name: _____ Model No.: _____ H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity _____ gpm TYPE: <input type="checkbox"/> Submersible <input type="checkbox"/> Jet (shallow) <input type="checkbox"/> Turbine <input type="checkbox"/> Jet (deep) <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)			17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief. Registered Business Name: Cypress Bay Geological Date: 3/8/00		
3. Remarks:			Address: 262 Geology Lane, Walterboro, South Carolina 29488		
			Signed <i>[Signature]</i> Cert. No.: 835		
			Authorized Representative		



Water Well Record
Bureau of Water

1. LOCATION OF WELL:		4. OWNER OF WELL: Former Kyanite Mine Site Address:	
County:	System Name: <i>MW#3</i>	Telephone No.:	
Latitude:	Longitude:	Engineer: Katawba Environmental, Inc. Address: PO Box 11228 Rock Hill, South Carolina 29731	
Distance and Direction from Road Intersection: See attached site location map		Telephone No.: 803-327-0469	
Street Address & City of Well Location: Clover, South Carolina		5. WELL DEPTH (completed) Date Started: 03-08-00	
Sketch Map: See attached site map		25 ft.	Date Completed: 03-08-00
		6. <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Jetted <input checked="" type="checkbox"/> Bored <input type="checkbox"/> Dug <input type="checkbox"/> Air Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Cable tool <input type="checkbox"/> Other	
		7. USE: <input type="checkbox"/> Domestic <input type="checkbox"/> Public Supply-Permit No. _____ <input type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Commercial <input type="checkbox"/> Test Well <input checked="" type="checkbox"/> Monitor Well	
2. CUTTING SAMPLES: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		8. CASING: <input checked="" type="checkbox"/> Threaded <input type="checkbox"/> Welded Diam.: 2" Type: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Galvanized <input type="checkbox"/> Steel <input type="checkbox"/> Other 2 in. to 15 ft. depth in. to ft. depth	
Geophysical Logs: <input type="checkbox"/> Yes (please enclose) <input checked="" type="checkbox"/> No		Height: Above/Below Surface _____ ft. Weight _____ lb./ft. Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum	9. SCREEN Type: PVC Diam.: 2" Slot/Gauge: .010 Length: 10' Set Between: 15 ft. and 25 ft. NOTE: MULTIPLE SCREENS ft. and ft. USE SECOND SHEET Sieve Analysis <input type="checkbox"/> Yes (please enclose) <input checked="" type="checkbox"/> No
bed Soft Silty CLAY	25	25	10. STATIC WATER LEVEL 19 ft. below land surface after 24 hours
		11. PUMPING LEVEL Below Land Surface. ft. after _____ hrs. Pumping _____ G.P.M. Pumping Test: <input type="checkbox"/> Yes (please enclose) <input checked="" type="checkbox"/> No Yield: _____	
		12. WATER QUALITY Chemical Analysis <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacterial Analysis <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Please enclose lab results.	
		13. ARTIFICIAL FILTER (gravel pack) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Installed from 13 ft. to 25 ft. Effective size #2 Uniformity Coefficient _____	
		14. WELL GROUTED? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Neat Cement <input type="checkbox"/> Sand Cement <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Other _____ Depth: From 0 ft. to 2 ft.	
		15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction Type well disinfected <input type="checkbox"/> Yes Type: _____ upon completion <input type="checkbox"/> No Amount: _____	
		16. PUMP: Date installed: _____ Not installed <input checked="" type="checkbox"/> Mfr. Name: _____ Model No.: _____ H.P. _____ Volts _____ Length of drop pipe ft. Capacity gpm TYPE: <input type="checkbox"/> Submersible <input type="checkbox"/> Jet (shallow) <input type="checkbox"/> Turbine <input type="checkbox"/> Jet (deep) <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal	
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.	
3. Remarks:		Registered Business Name: Cypress Bay Geological Date: 3/8/00	
		Address: 262 Geology Lane, Walterboro, South Carolina 29488	
		Signed <i>[Signature]</i> Cert. No.: 835 Authorized Representative	



PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 734-5300

1. LOCATION OF WELL:			4. OWNER OF WELL: Former Kyanite Mine Site Address: Telephone No.: Engineer: Katawba Environmental, Inc. Address: PO Box 11228 Rock Hill, South Carolina 29731 Telephone No.: 803-327-0469			
County:	System Name: <i>MH #4</i>					
Latitude:	Longitude:					
Distance and Direction from Road Intersection: See attached site location map						
Street Address & City of Well Location: Clover, South Carolina			5. WELL DEPTH (completed) Date Started: 03-08-00			
Sketch Map: See attached site map			55 ft. Date Completed: 03-08-00			
			6. <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Jetted <input checked="" type="checkbox"/> Bored <input type="checkbox"/> Dug <input type="checkbox"/> Air Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Cable tool <input type="checkbox"/> Other			
			7. USE: <input type="checkbox"/> Domestic <input type="checkbox"/> Public Supply-Permit No. _____ <input type="checkbox"/> Industry <input type="checkbox"/> Irrigation <input type="checkbox"/> Air Conditioning <input type="checkbox"/> Commercial <input type="checkbox"/> Test Well <input checked="" type="checkbox"/> Monitor Well <input type="checkbox"/>			
			8. CASING: <input checked="" type="checkbox"/> Threaded <input type="checkbox"/> Welded Diam.: 2" Type: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Galvanized <input type="checkbox"/> Steel <input type="checkbox"/> Other 2 in. to 45 ft. depth in. to ft. depth	Height: Above/Below Surface _____ ft. Weight _____ lb./ft. Drive Shoe? <input type="checkbox"/> Yes <input type="checkbox"/> No		
			9. SCREEN Type: PVC Diam.: 2" Slot/Gauge: 0.010 Length: 10' Set Between: 45 ft. and 55 ft. NOTE: MULTIPLE SCREENS ft. and ft. USE SECOND SHEET Sieve Analysis <input type="checkbox"/> Yes (please enclose) <input checked="" type="checkbox"/> No			
			10. STATIC WATER LEVEL _____ ft. below land surface after 24 hours			
			11. PUMPING LEVEL Below Land Surface. ft. after _____ hrs. Pumping _____ G.P.M. Pumping Test: <input type="checkbox"/> Yes (please enclose) <input checked="" type="checkbox"/> No Yield: _____			
			12. WATER QUALITY Chemical Analysis <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacterial Analysis <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Please enclose lab results.			
			13. ARTIFICIAL FILTER (gravel pack) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Installed from 40 ft. to 55 ft. Effective size #2 Uniformity Coefficient _____			
			14. WELL GROUTED? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Neat Cement <input type="checkbox"/> Sand Cement <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Other _____ Depth: From 0 ft. to 20 ft.			
			15. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction Type well disinfected <input type="checkbox"/> Yes Type: _____ upon completion <input type="checkbox"/> No Amount: _____			
			16. PUMP: Date installed: _____ Not installed <input checked="" type="checkbox"/> Mfr. Name: _____ Model No.: _____ H.P. _____ Volts _____ Length of drop pipe ft. Capacity gpm TYPE: <input type="checkbox"/> Submersible <input type="checkbox"/> Jet (shallow) <input type="checkbox"/> Turbine <input type="checkbox"/> Jet (deep) <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal			
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)			17. WATER WELL CONTRACTOR'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief. Registered Business Name: Cypress Bay Geological Date: 3/8/00 Address: 262 Geology Lane, Walterboro, South Carolina 29488			
3. Remarks:			Signed <i>[Signature]</i> Authorized Representative	Cert. No.: 835		

APPENDIX D
ANALYTICAL RESULTS

Report of Analysis

Katawba Environmental, Inc.

PO Box 11228
Rock Hill, SC 29731
Attention : Alex Amos

Lot Number : BC17014
Date Completed : 03/31/2000



Daniel J. Wright
Project Manager

Total number of pages in report : 24

This report has been prepared and reviewed in accordance with Shealy's Quality Assurance Management Plan. Any data qualifiers associated with sample analysis are footnoted on the analytical results page(s). This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.



SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

SC DHEC No. 32010

NC DEHNR No. 329

Client : Katawba Environmental, Inc.
PO Box 11228
Rock Hill, SC 29731

Attention : Alex Amos
PO Number : OWENS

Description : Sediment 1	Collect Date : 03/15/2000
Lot Number : BC17014-001 (190461)	Collect Time : 1545

Date Received : 03/17/2000	Matrix : Solid
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Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
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Inorganic non-metals

Dil and Grease (silica gel cleanup)	9071A	ND		mg/kg	100		03/17/2000	0930	JBK
% Solids	160.3	47.5		%			03/20/2000	0930	MDC
pH	9045C	3.18		Std. units			03/21/2000	1000	SEH

Volatile Organic Compounds by GC/MS

Acetone	5035	8260B	ND	ug/kg	40		03/24/2000	1300	ECM
Benzene	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
Bromodichloromethane	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
Bromoform	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
Bromomethane (Methyl bromide)	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
2-Butanone (MEK)	5035	8260B	ND	ug/kg	20		03/24/2000	1300	ECM
Carbon disulfide	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
Carbon tetrachloride	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
Chlorobenzene	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
Chloroethane	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
Chloroform	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
Chloromethane (Methyl chloride)	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
,2-Dibromo-3-chloropropane (DBCP)	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
Dibromochloromethane	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
1,2-Dibromoethane (EDB)	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
is-1,2-Dichloroethene	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
trans-1,2-Dichloroethene	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
trans-1,3-Dichloropropene	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
is-1,3-Dichloropropene	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
,1,2-Dichlorobenzene	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
1,3-Dichlorobenzene	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM
,4-Dichlorobenzene	5035	8260B	ND	ug/kg	10		03/24/2000	1300	ECM

PQL = Practical quantitation limit

B = Detected in method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at PQL

J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

Description : Sediment 1
 Lot Number : BC17014-001 (190461)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/15/2000
 Collect Time : 1545

Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
1,1-Dichloroethane	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
1,2-Dichloroethane	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
1,1-Dichloroethene	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
1,2-Dichloropropane	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
Ethylbenzene	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
2-Hexanone	5035	8260B	ND		ug/kg	20		03/24/2000 1300	ECM
Methyl tertiary butyl ether (MTBE)	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
4-Methyl-2-pentanone	5035	8260B	ND		ug/kg	20		03/24/2000 1300	ECM
Methylene chloride	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
Naphthalene	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
Styrene	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
1,1,2,2-Tetrachloroethane	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
Tetrachloroethene	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
Toluene	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
1,1,1-Trichloroethane	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
1,1,2-Trichloroethane	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
Trichloroethene	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
Vinyl chloride	5035	8260B	ND		ug/kg	20		03/24/2000 1300	ECM
Xylenes (total)	5035	8260B	ND		ug/kg	10		03/24/2000 1300	ECM
Surrogates									
1,2-Dichloroethane-d4	5035	8260B	85.7	%	70.0-130			03/24/2000 1300	ECM
Toluene-d8	5035	8260B	102	%	70.0-130			03/24/2000 1300	ECM
Bromofluorobenzene	5035	8260B	103	%	70.0-130			03/24/2000 1300	ECM
Semivolatile Organic Compounds by GC/MS									
Acenaphthene		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
Acenaphthylene		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
Anthracene		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
Benzo(a)anthracene		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
Benzo(a)pyrene		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
Benzo(b)fluoranthene		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
Benzo(g,h,i)perylene		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
Benzo(k)fluoranthene		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
bis(2-Chloroethoxy)methane		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
bis(2-Chloroethyl)ether		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
bis(2-Chloroisopropyl)ether		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
bis(2-Ethylhexyl)phthalate		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
4-Bromophenyl phenyl ether		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
Butyl benzyl phthalate		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
Carbazole		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
4-Chloro-3-methyl phenol		8270C	ND		ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : Sediment 1
 Lot Number : BC17014-001 (190461)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/15/2000
 Collect Time : 1545
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Semivolatile Organic Compounds by GC/MS									
4-Chloroaniline	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
2-Chloronaphthalene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
2-Chlorophenol	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
4-Chlorophenyl phenyl ether	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Chrysene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Di-n-butyl phthalate	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Di-n-octylphthalate	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Dibenzo(a,h)anthracene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Dibenzofuran	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
1,2-Dichlorobenzene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
1,3-Dichlorobenzene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
1,4-Dichlorobenzene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
3,3'-Dichlorobenzidine	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
2,4-Dichlorophenol	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Diethylphthalate	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Dimethyl phthalate	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
2,4-Dimethylphenol	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
4,6-Dinitro-2-methylphenol	8270C	ND	ug/kg	1700	03/24/2000 1330	03/27/2000 1723	MWK		
2,4-Dinitrophenol	8270C	ND	ug/kg	1700	03/24/2000 1330	03/27/2000 1723	MWK		
2,4-Dinitrotoluene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
2,6-Dinitrotoluene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Fluoranthene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Fluorene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Hexachlorobenzene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Hexachlorobutadiene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Hexachlorocyclopentadiene	8270C	ND	ug/kg	1700	03/24/2000 1330	03/27/2000 1723	MWK		
Hexachloroethane	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Indeno(1,2,3-c,d)pyrene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Isophorone	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
2-Methylnaphthalene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
2-Methylphenol	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
3 & 4-Methylphenol	8270C	ND	ug/kg	1400	03/24/2000 1330	03/27/2000 1723	MWK		
N-Nitrosodi-n-propylamine	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
N-Nitrosodiphenylamine	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Naphthalene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
2-Nitroaniline	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
3-Nitroaniline	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
4-Nitroaniline	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
Nitrobenzene	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
2-Nitrophenol	8270C	ND	ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK		
4-Nitrophenol	8270C	ND	ug/kg	1700	03/24/2000 1330	03/27/2000 1723	MWK		

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : Sediment I
 Lot Number : BC17014-001 (190461)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000
 Collect Date : 03/15/2000
 Collect Time : 1545
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Semivolatile Organic Compounds by GC/MS									
Pentachlorophenol	8270C	ND			ug/kg	1700	03/24/2000 1330	03/27/2000 1723	MWK
Phenanthrene	8270C	ND			ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
Phenol	8270C	ND			ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
Pyrene	8270C	ND			ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
1,2,4-Trichlorobenzene	8270C	ND			ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
2,4,5-Trichlorophenol	8270C	ND			ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
2,4,6-Trichlorophenol	8270C	ND			ug/kg	680	03/24/2000 1330	03/27/2000 1723	MWK
Surrogates									
Terphenyl-d14	8270C	80.2		%	30.0-130	03/24/2000 1330	03/27/2000 1723	MWK	
Nitrobenzene-d5	8270C	42.4		%	30.0-130	03/24/2000 1330	03/27/2000 1723	MWK	
2-Fluorobiphenyl	8270C	47.5		%	30.0-130	03/24/2000 1330	03/27/2000 1723	MWK	
2-Fluorophenol	8270C	45.1		%	30.0-130	03/24/2000 1330	03/27/2000 1723	MWK	
Phenol-d5	8270C	47.1		%	30.0-130	03/24/2000 1330	03/27/2000 1723	MWK	
2,4,6-Tribromophenol	8270C	73.1		%	30.0-130	03/24/2000 1330	03/27/2000 1723	MWK	
ICP-AES									
Antimony	6010B	ND		mg/kg	0.53	03/21/2000 0900	03/23/2000 1756	FTS	
Arsenic	6010B	0.94		mg/kg	0.53	03/21/2000 0900	03/23/2000 1756	FTS	
Barium	6010B	4.7		mg/kg	2.7	03/21/2000 0900	03/23/2000 1756	FTS	
Cadmium	6010B	ND		mg/kg	0.21	03/21/2000 0900	03/23/2000 1756	FTS	
Chromium	6010B	1.8		mg/kg	0.53	03/21/2000 0900	03/23/2000 1756	FTS	
Cobalt	6010B	ND		mg/kg	2.7	03/21/2000 0900	03/23/2000 1756	FTS	
Copper	6010B	9.8		mg/kg	0.53	03/21/2000 0900	03/23/2000 1756	FTS	
Lead	6010B	ND		mg/kg	0.53	03/21/2000 0900	03/23/2000 1756	FTS	
Magnesium	6010B	ND		mg/kg	530	03/21/2000 0900	03/23/2000 1756	FTS	
Nickel	6010B	ND		mg/kg	4.2	03/21/2000 0900	03/23/2000 1756	FTS	
Selenium	6010B	ND		mg/kg	0.53	03/21/2000 0900	03/23/2000 1756	FTS	
Silver	6010B	ND		mg/kg	0.53	03/21/2000 0900	03/23/2000 1756	FTS	
Tin	6010B	ND		mg/kg	5.3	03/21/2000 0900	03/23/2000 1756	FTS	
Zinc	6010B	ND		mg/kg	5.3	03/21/2000 0900	03/23/2000 1756	FTS	
CVAA									
Mercury	7471A	ND		mg/kg	0.17	03/20/2000 0900	03/21/2000 1142	JLW	

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank
 J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Soils reported on a dry weight basis unless flagged with a "W"

Description : Sediment 2
 Lot Number : BC17014-002 (190462)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/15/2000
 Collect Time : 1320
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
Oil and Grease (silica gel cleanup)		9071A	ND		mg/kg	87		03/17/2000 0930	JBK
% Solids			160.3	57.5	%			03/20/2000 0930	MDC
pH		9045C	3.68		Std. units			03/21/2000 1000	SEH
Volatile Organic Compounds by GC/MS									
Acetone	5035	8260B	63		ug/kg	26		03/24/2000 1335	ECM
Benzene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Bromodichloromethane	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Bromoform	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Bromomethane (Methyl bromide)	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
2-Butanone (MEK)	5035	8260B	ND		ug/kg	13		03/24/2000 1335	ECM
Carbon disulfide	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Carbon tetrachloride	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Chlorobenzene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Chloroethane	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Chloroform	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Chloromethane (Methyl chloride)	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
1,2-Dibromo-3-chloropropane (DBCP)	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Dibromochloromethane	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
1,2-Dibromoethane (EDB)	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
cis-1,2-Dichloroethene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
trans-1,2-Dichloroethene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
trans-1,3-Dichloropropene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
cis-1,3-Dichloropropene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
1,2-Dichlorobenzene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
1,3-Dichlorobenzene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
1,4-Dichlorobenzene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
1,1-Dichloroethane	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
1,2-Dichloroethane	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
1,1-Dichloroethene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
1,2-Dichloropropane	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Ethylbenzene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
2-Hexanone	5035	8260B	ND		ug/kg	13		03/24/2000 1335	ECM
Methyl tertiary butyl ether (MTBE)	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
4-Methyl-2-pentanone	5035	8260B	ND		ug/kg	13		03/24/2000 1335	ECM
Methylene chloride	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Naphthalene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Styrene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
1,1,2,2-Tetrachloroethane	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Tetrachloroethene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Toluene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : Sediment 2
 Lot Number : BC17014-002 (190462)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/15/2000
 Collect Time : 1320
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
1,1,2-Trichloroethane	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Trichloroethylene	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Vinyl chloride	5035	8260B	ND		ug/kg	13		03/24/2000 1335	ECM
Xylenes (total)	5035	8260B	ND		ug/kg	6.5		03/24/2000 1335	ECM
Surrogates									
1,2-Dichloroethane-d4	5035	8260B	91.4	%	70.0-130			03/24/2000 1335	ECM
Toluene-d8	5035	8260B	108	%	70.0-130			03/24/2000 1335	ECM
Bromofluorobenzene	5035	8260B	108	%	70.0-130			03/24/2000 1335	ECM
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Acenaphthylene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Anthracene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Benzo(a)anthracene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Benzo(a)pyrene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Benzo(b)fluoranthene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Benzo(g,h,i)perylene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Benzo(k)fluoranthene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
bis(2-Chloroethoxy)methane	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
bis(2-Chloroethyl)ether	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
bis(2-Chloroisopropyl)ether	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
bis(2-Ethylhexyl)phthalate	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
4-Bromophenyl phenyl ether	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Butyl benzyl phthalate	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Carbazole	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
4-Chloro-3-methyl phenol	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
4-Chloroaniline	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
2-Chloronaphthalene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
2-Chlorophenol	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
4-Chlorophenyl phenyl ether	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Chrysene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Di-n-butyl phthalate	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Di-n-octylphthalate	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Dibenzo(a,h)anthracene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
Dibenzofuran	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
1,2-Dichlorobenzene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
1,3-Dichlorobenzene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
1,4-Dichlorobenzene	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
3,3'-Dichlorobenzidine	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	
2,4-Dichlorophenol	8270C	ND		ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK	

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : Sediment 2
 Lot Number : BC17014-002 (190462)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/15/2000
 Collect Time : 1320
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Semivolatile Organic Compounds by GC/MS									
Diethylphthalate	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Dimethyl phthalate	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
2,4-Dimethylphenol	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
4,6-Dinitro-2-methylphenol	8270C	ND	ug/kg	1400	03/24/2000 1330	03/27/2000 1652	MWK		
2,4-Dinitrophenol	8270C	ND	ug/kg	1400	03/24/2000 1330	03/27/2000 1652	MWK		
2,4-Dinitrotoluene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
2,6-Dinitrotoluene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Fluoranthene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Fluorene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Hexachlorobenzene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Hexachlorobutadiene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Hexachlorocyclopentadiene	8270C	ND	ug/kg	1400	03/24/2000 1330	03/27/2000 1652	MWK		
Hexachloroethane	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Indeno(1,2,3-c,d)pyrene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Isophorone	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
2-Methylnaphthalene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
2-Methylphenol	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
3 & 4-Methylphenol	8270C	ND	ug/kg	1200	03/24/2000 1330	03/27/2000 1652	MWK		
N-Nitrosodi-n-propylamine	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
N-Nitrosodiphenylamine	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Naphthalene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
2-Nitroaniline	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
3-Nitroaniline	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
4-Nitroaniline	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Nitrobenzene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
2-Nitrophenol	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
4-Nitrophenol	8270C	ND	ug/kg	1400	03/24/2000 1330	03/27/2000 1652	MWK		
Pentachlorophenol	8270C	ND	ug/kg	1400	03/24/2000 1330	03/27/2000 1652	MWK		
Phenanthrene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Phenol	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Pyrene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
1,2,4-Trichlorobenzene	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
2,4,5-Trichlorophenol	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
2,4,6-Trichlorophenol	8270C	ND	ug/kg	570	03/24/2000 1330	03/27/2000 1652	MWK		
Surrogates									
Terphenyl-d14	8270C	78.7	%	30.0-130	03/24/2000 1330	03/27/2000 1652	MWK		
Nitrobenzene-d5	8270C	39.2	%	30.0-130	03/24/2000 1330	03/27/2000 1652	MWK		
2-Fluorobiphenyl	8270C	41.6	%	30.0-130	03/24/2000 1330	03/27/2000 1652	MWK		
2-Fluorophenol	8270C	41.2	%	30.0-130	03/24/2000 1330	03/27/2000 1652	MWK		
Phenol-d5	8270C	42.5	%	30.0-130	03/24/2000 1330	03/27/2000 1652	MWK		
2,4,6-Tribromophenol	8270C	67.8	%	30.0-130	03/24/2000 1330	03/27/2000 1652	MWK		

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : Sediment 2
Lot Number : BC17014-002 (190462)
Client : Katawba Environmental, Inc.
Date Received : 03/17/2000

Collect Date : 03/15/2000
Collect Time : 1320
Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep	Analysis	Date/Time	Analyst
							Date/Time			
ICP-AES										
Antimony	6010B	ND			mg/kg	0.43	03/21/2000 0900	03/23/2000	1801	FTS
Arsenic	6010B	1.1			mg/kg	0.43	03/21/2000 0900	03/23/2000	1801	FTS
Barium	6010B	3.3			mg/kg	2.3	03/21/2000 0900	03/23/2000	1801	FTS
Cadmium	6010B	ND			mg/kg	0.17	03/21/2000 0900	03/23/2000	1801	FTS
Chromium	6010B	2.3			mg/kg	0.43	03/21/2000 0900	03/23/2000	1801	FTS
Cobalt	6010B	ND			mg/kg	2.3	03/21/2000 0900	03/23/2000	1801	FTS
Copper	6010B	8.6			mg/kg	0.43	03/21/2000 0900	03/23/2000	1801	FTS
Lead	6010B	2.2			mg/kg	0.43	03/21/2000 0900	03/23/2000	1801	FTS
Magnesium	6010B	ND			mg/kg	430	03/21/2000 0900	03/23/2000	1801	FTS
Nickel	6010B	ND			mg/kg	3.5	03/21/2000 0900	03/23/2000	1801	FTS
Selenium	6010B	ND			mg/kg	0.43	03/21/2000 0900	03/23/2000	1801	FTS
Silver	6010B	ND			mg/kg	0.43	03/21/2000 0900	03/23/2000	1801	FTS
Tin	6010B	ND			mg/kg	4.3	03/21/2000 0900	03/23/2000	1801	FTS
Zinc	6010B	ND			mg/kg	4.3	03/21/2000 0900	03/23/2000	1801	FTS
CVAA										
Mercury	7471A	ND			mg/kg	0.14	03/20/2000 0900	03/21/2000	1141	JLW

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : Sediment 3
 Lot Number : BC17014-003 (190463)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/15/2000
 Collect Time : 1201
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
Oil and Grease (silica gel cleanup)	9071A	ND			mg/kg	50		03/17/2000 0930	JBK
% Solids	160.3	53.0			%			03/20/2000 0930	MDC
pH	9045C	3.19			Std. units			03/21/2000 1000	SEH
Volatile Organic Compounds by GC/MS									
Acetone	5035	8260B	88		ug/kg	27		03/24/2000 1705	ECM
Benzene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Bromodichloromethane	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Bromoform	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Bromomethane (Methyl bromide)	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
2-Butanone (MEK)	5035	8260B	ND		ug/kg	13		03/24/2000 1705	ECM
Carbon disulfide	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Carbon tetrachloride	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Chlorobenzene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Chloroethane	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Chloroform	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Chloromethane (Methyl chloride)	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
1,2-Dibromo-3-chloropropane (DBCP)	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Dibromochloromethane	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
1,2-Dibromoethane (EDB)	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
cis-1,2-Dichloroethene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
trans-1,2-Dichloroethene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
trans-1,3-Dichloropropene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
cis-1,3-Dichloropropene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
1,2-Dichlorobenzene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
1,3-Dichlorobenzene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
1,4-Dichlorobenzene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
1,1-Dichloroethane	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
1,2-Dichloroethane	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
1,1-Dichloroethene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
1,2-Dichloropropane	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Ethylbenzene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
2-Hexanone	5035	8260B	ND		ug/kg	13		03/24/2000 1705	ECM
Methyl tertiary butyl ether (MTBE)	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
4-Methyl-2-pentanone	5035	8260B	ND		ug/kg	13		03/24/2000 1705	ECM
Methylene chloride	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Naphthalene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Styrene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
1,1,2,2-Tetrachloroethane	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Tetrachloroethene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Toluene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM

PQL = Practical quantitation limit

B = Detected in method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at PQL

J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

Description : Sediment 3
 Lot Number : BC17014-003 (190463)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/15/2000
 Collect Time : 1201
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
1,1,2-Trichloroethane	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Trichloroethene	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Vinyl chloride	5035	8260B	ND		ug/kg	13		03/24/2000 1705	ECM
Xylenes (total)	5035	8260B	ND		ug/kg	6.7		03/24/2000 1705	ECM
Surrogates									
1,2-Dichloroethane-d4	5035	8260B	87.6	%	70.0-130			03/24/2000 1705	ECM
Toluene-d8	5035	8260B	105	%	70.0-130			03/24/2000 1705	ECM
Bromofluorobenzene	5035	8260B	112	%	70.0-130			03/24/2000 1705	ECM
Semivolatile Organic Compounds by GC/MS									
Acenaphthene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Acenaphthylene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Anthracene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Benzo(a)anthracene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Benzo(a)pyrene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Benzo(b)fluoranthene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Benzo(g,h,i)perylene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Benzo(k)fluoranthene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
bis(2-Chloroethoxy)methane		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
bis(2-Chloroethyl)ether		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
bis(2-Chloroisopropyl)ether		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
bis(2-Ethylhexyl)phthalate		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
4-Bromophenyl phenyl ether		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Butyl benzyl phthalate		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Carbazole		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
4-Chloro-3-methyl phenol		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
4-Chloroaniline		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
2-Chloronaphthalene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
2-Chlorophenol		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
4-Chlorophenyl phenyl ether		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Chrysene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Di-n-butyl phthalate		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Di-n-octylphthalate		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Dibenzo(a,h)anthracene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
Dibenzofuran		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
1,2-Dichlorobenzene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
1,3-Dichlorobenzene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
1,4-Dichlorobenzene		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
3,3'-Dichlorobenzidine		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK
2,4-Dichlorophenol		8270C	ND		ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK

PQL = Practical quantitation limit

B = Detected in method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at PQL

J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

Description : Sediment 3
Lot Number : BC17014-003 (190463)
Client : Catawba Environmental, Inc.
Date Received : 03/17/2000

Collect Date : 03/15/2000
 Collect Time : 1201
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Semivolatile Organic Compounds by GC/MS									
Diethylphthalate	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Dimethyl phthalate	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
2,4-Dimethylphenol	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
4,6-Dinitro-2-methylphenol	8270C	ND	ug/kg	1600	03/24/2000 1330	03/27/2000 1621	MWK		
2,4-Dinitrophenol	8270C	ND	ug/kg	1600	03/24/2000 1330	03/27/2000 1621	MWK		
2,4-Dinitrotoluene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
2,6-Dinitrotoluene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Fluoranthene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Fluorene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Hexachlorobenzene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Hexachlorobutadiene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Hexachlorocyclopentadiene	8270C	ND	ug/kg	1600	03/24/2000 1330	03/27/2000 1621	MWK		
Hexachloroethane	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Indeno(1,2,3-c,d)pyrene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Isophorone	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
2-Methylnaphthalene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
2-Methylphenol	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
3 & 4-Methylphenol	8270C	ND	ug/kg	1200	03/24/2000 1330	03/27/2000 1621	MWK		
N-Nitrosodi-n-propylamine	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
N-Nitrosodiphenylamine	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Naphthalene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
2-Nitroaniline	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
3-Nitroaniline	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
4-Nitroaniline	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Nitrobenzene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
2-Nitrophenol	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
4-Nitrophenol	8270C	ND	ug/kg	1600	03/24/2000 1330	03/27/2000 1621	MWK		
Pentachlorophenol	8270C	ND	ug/kg	1600	03/24/2000 1330	03/27/2000 1621	MWK		
Phenanthrene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Phenol	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Pyrene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
1,2,4-Trichlorobenzene	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
2,4,5-Trichlorophenol	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
2,4,6-Trichlorophenol	8270C	ND	ug/kg	620	03/24/2000 1330	03/27/2000 1621	MWK		
Surrogates									
Terphenyl-d14	8270C	81.6	%	30.0-130	03/24/2000 1330	03/27/2000 1621	MWK		
Nitrobenzene-d5	8270C	80.8	%	30.0-130	03/24/2000 1330	03/27/2000 1621	MWK		
2-Fluorobiphenyl	8270C	80.1	%	30.0-130	03/24/2000 1330	03/27/2000 1621	MWK		
2-Fluorophenol	8270C	81.3	%	30.0-130	03/24/2000 1330	03/27/2000 1621	MWK		
Phenol-d5	8270C	84.1	%	30.0-130	03/24/2000 1330	03/27/2000 1621	MWK		
2,4,6-Tribromophenol	8270C	83.3	%	30.0-130	03/24/2000 1330	03/27/2000 1621	MWK		

PQL = Practical quantitation limit

B = Detected in method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at PQL

J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

Description : Sediment 3
 Lot Number : BC17014-003 (190463)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/15/2000
 Collect Time : 1201

Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
ICP-AES									
Antimony	6010B	ND	mg/kg	0.47	03/21/2000 0900	03/23/2000	1807	FTS	
Arsenic	6010B	ND	mg/kg	0.47	03/21/2000 0900	03/23/2000	1807	FTS	
Barium	6010B	ND	mg/kg	2.4	03/21/2000 0900	03/23/2000	1807	FTS	
Cadmium	6010B	ND	mg/kg	0.19	03/21/2000 0900	03/23/2000	1807	FTS	
Chromium	6010B	1.3	mg/kg	0.47	03/21/2000 0900	03/23/2000	1807	FTS	
Cobalt	6010B	ND	mg/kg	2.4	03/21/2000 0900	03/23/2000	1807	FTS	
Copper	6010B	5.0	mg/kg	0.47	03/21/2000 0900	03/23/2000	1807	FTS	
Lead	6010B	1.2	mg/kg	0.47	03/21/2000 0900	03/23/2000	1807	FTS	
Magnesium	6010B	ND	mg/kg	470	03/21/2000 0900	03/23/2000	1807	FTS	
Nickel	6010B	ND	mg/kg	3.8	03/21/2000 0900	03/23/2000	1807	FTS	
Selenium	6010B	ND	mg/kg	0.47	03/21/2000 0900	03/23/2000	1807	FTS	
Silver	6010B	ND	mg/kg	0.47	03/21/2000 0900	03/23/2000	1807	FTS	
Tin	6010B	ND	mg/kg	4.7	03/21/2000 0900	03/23/2000	1807	FTS	
Zinc	6010B	ND	mg/kg	4.7	03/21/2000 0900	03/23/2000	1807	FTS	
CVAA									
Mercury	7471A	ND	mg/kg	0.16	03/20/2000 0900	03/21/2000	1143	JLW	

PQL = Practical quantitation limit

B = Detected in method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at PQL

J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

Description : POND1
 Lot Number : BC17014-004 (190464)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/16/2000
 Collect Time : 0903

Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
Oil and Grease	413.1		ND		mg/L	5.0		03/22/2000 0945	JBK
Volatile Organic Compounds by GC/MS									
Acetone	8260B		ND		ug/L	20	03/23/2000 1408	@	
Benzene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Bromodichloromethane	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Bromoform	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Bromomethane (Methyl bromide)	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
2-Butanone (MEK)	8260B		ND		ug/L	10	03/23/2000 1408	@	
Carbon disulfide	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Carbon tetrachloride	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Chlorobenzene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Chloroethane	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Chloroform	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Chloromethane (Methyl chloride)	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
cis-1,2-Dichloroethene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
cis-1,3-Dichloropropene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
1,2-Dibromo-3-chloropropane (DBCP)	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Dibromochloromethane	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
1,2-Dibromoethane (EDB)	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
1,2-Dichlorobenzene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
1,3-Dichlorobenzene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
1,4-Dichlorobenzene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
1,1-Dichloroethane	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
1,2-Dichloroethane	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
1,1-Dichloroethene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
1,2-Dichloropropane	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Ethylbenzene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
2-Hexanone	8260B		ND		ug/L	10	03/23/2000 1408	@	
Methyl tertiary butyl ether (MTBE)	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
4-Methyl-2-pentanone	8260B		ND		ug/L	10	03/23/2000 1408	@	
Methylene chloride	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Naphthalene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Styrene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
1,1,2,2-Tetrachloroethane	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Tetrachloroethene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
Toluene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
trans-1,2-Dichloroethene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
trans-1,3-Dichloropropene	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
1,1,1-Trichloroethane	8260B		ND		ug/L	5.0	03/23/2000 1408	@	
1,1,2-Trichloroethane	8260B		ND		ug/L	5.0	03/23/2000 1408	@	

Footnote(s) @ = SC DHEC Cert. #84009.

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : PONDI
 Lot Number : BC17014-004 (190464)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/16/2000

Collect Time : 0903

Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
Trichloroethene	8260B	ND			ug/L	5.0		03/23/2000 1408	@
Vinyl chloride	8260B	ND			ug/L	2.0		03/23/2000 1408	@
Xylenes (total)	8260B	ND			ug/L	5.0		03/23/2000 1408	@
Surrogates									
1,2-Dichloroethane-d4	8260B	89.0		%	70.0-130			03/23/2000 1408	@
Toluene-d8	8260B	93.0		%	70.0-130			03/23/2000 1408	@
Bromofluorobenzene	8260B	104		%	70.0-130			03/23/2000 1408	@
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Acenaphthylene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Anthracene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Benzo(a)anthracene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Benzo(a)pyrene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Benzo(b)fluoranthene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Benzo(g,h,i)perylene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Benzo(k)fluoranthene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
bis(2-Chloroethoxy)methane	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
bis(2-Chloroethyl)ether	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
bis(2-Chloroisopropyl)ether	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
bis(2-Ethylhexyl)phthalate	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
4-Bromophenyl phenyl ether	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Butyl benzyl phthalate	8270C	ND			ug/L	10	03/20/2000 1720	03/26/2000 1645	MWK
Carbazole	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
4-Chloro-3-methyl phenol	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
4-Chloroaniline	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
2-Chloronaphthalene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
2-Chlorophenol	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
4-Chlorophenyl phenyl ether	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Chrysene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Di-n-butyl phthalate	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Di-n-octylphthalate	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Dibenzo(a,h)anthracene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Dibenzofuran	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
1,2-Dichlorobenzene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
1,3-Dichlorobenzene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
1,4-Dichlorobenzene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
3,3'-Dichlorobenzidine	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
2,4-Dichlorophenol	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Diethylphthalate	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Dimethyl phthalate	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK

Footnote(s) @ = SC DHEC Cert. #84009.

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : PONDI
 Lot Number : BC17014-004 (190464)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/16/2000
 Collect Time : 0903

Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Semivolatile Organic Compounds by GC/MS									
2,4-Dimethylphenol	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
4,6-Dinitro-2-methylphenol	8270C	ND			ug/L	25	03/20/2000 1720	03/26/2000 1645	MWK
2,4-Dinitrophenol	8270C	ND			ug/L	25	03/20/2000 1720	03/26/2000 1645	MWK
2,4-Dinitrotoluene	8270C	ND			ug/L	10	03/20/2000 1720	03/26/2000 1645	MWK
2,6-Dinitrotoluene	8270C	ND			ug/L	10	03/20/2000 1720	03/26/2000 1645	MWK
Fluoranthene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Fluorene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Hexachlorobenzene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Hexachlorobutadiene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Hexachlorocyclopentadiene	8270C	ND			ug/L	25	03/20/2000 1720	03/26/2000 1645	MWK
Hexachloroethane	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Indeno(1,2,3-c,d)pyrene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Isophorone	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
2-Methylnaphthalene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
2-Methylphenol	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
3 & 4-Methylphenol	8270C	ND			ug/L	10	03/20/2000 1720	03/26/2000 1645	MWK
N-Nitrosodi-n-propylamine	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
N-Nitrosodiphenylamine	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Naphthalene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
2-Nitroaniline	8270C	ND			ug/L	10	03/20/2000 1720	03/26/2000 1645	MWK
3-Nitroaniline	8270C	ND			ug/L	10	03/20/2000 1720	03/26/2000 1645	MWK
4-Nitroaniline	8270C	ND			ug/L	10	03/20/2000 1720	03/26/2000 1645	MWK
Nitrobenzene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
2-Nitrophenol	8270C	ND			ug/L	10	03/20/2000 1720	03/26/2000 1645	MWK
4-Nitrophenol	8270C	ND			ug/L	25	03/20/2000 1720	03/26/2000 1645	MWK
Pentachlorophenol	8270C	ND			ug/L	25	03/20/2000 1720	03/26/2000 1645	MWK
Phenanthrene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Phenol	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Pyrene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
1,2,4-Trichlorobenzene	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
2,4,5-Trichlorophenol	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
2,4,6-Trichlorophenol	8270C	ND			ug/L	5.0	03/20/2000 1720	03/26/2000 1645	MWK
Surrogates									
2,4,6-Tribromophenol	8270C	76.2			%	30.0-130	03/20/2000 1720	03/26/2000 1645	MWK
2-Fluorobiphenyl	8270C	76.6			%	30.0-130	03/20/2000 1720	03/26/2000 1645	MWK
Nitrobenzene-d5	8270C	71.4			%	30.0-130	03/20/2000 1720	03/26/2000 1645	MWK
Terphenyl-d14	8270C	77.6			%	30.0-130	03/20/2000 1720	03/26/2000 1645	MWK
2-Fluorophenol	8270C	63.3			%	30.0-130	03/20/2000 1720	03/26/2000 1645	MWK
Phenol-d5	8270C	75.0			%	30.0-130	03/20/2000 1720	03/26/2000 1645	MWK

ICP-AES

Footnote(s) @ = SC DHEC Cert. #84009.

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B = Detected in method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at PQL

J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

Description : FOND1
 Lot Number : BC17014-004 (190464)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/16/2000
 Collect Time : 0903
 Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
ICP-AES									
Antimony		6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1631	FTS
Arsenic		6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1631	FTS
Barium		6010B	ND		mg/L	0.025	03/21/2000 0900	03/22/2000 1631	FTS
Cadmium		6010B	ND		mg/L	0.0020	03/21/2000 0900	03/22/2000 1631	FTS
Chromium		6010B	0.0055		mg/L	0.0050	03/21/2000 0900	03/22/2000 1631	FTS
Cobalt		6010B	0.11		mg/L	0.025	03/21/2000 0900	03/22/2000 1631	FTS
Copper		6010B	0.34		mg/L	0.0050	03/21/2000 0900	03/22/2000 1631	FTS
Lead		6010B	ND		mg/L	0.0030	03/21/2000 0900	03/22/2000 1631	FTS
Magnesium		6010B	20		mg/L	5.0	03/21/2000 0900	03/22/2000 1631	FTS
Nickel		6010B	0.042		mg/L	0.040	03/21/2000 0900	03/22/2000 1631	FTS
Selenium		6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1631	FTS
Silver		6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1631	FTS
Tin		6010B	ND		mg/L	0.050	03/21/2000 0900	03/22/2000 1631	FTS
Zinc		6010B	0.31		mg/L	0.020	03/21/2000 0900	03/22/2000 1631	FTS
CVAA									
Mercury		7470A	ND		mg/L	0.00010	03/20/2000 0900	03/21/2000 0945	JLW

Footnote(s) @ = SC DHEC Cert. #84009.

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : FONDZ
 Lot Number : BC17014-005 (190465)
 Client : Catawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/16/2000
 Collect Time : 0947
 Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
Oil and Grease	413.1		ND		mg/L	5.0		03/24/2000 0930	WCS
Volatile Organic Compounds by GC/MS									
Acetone	8260B		ND		ug/L	20	03/23/2000 1448	@	
Benzene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Bromodichloromethane	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Bromoform	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Bromomethane (Methyl bromide)	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
2-Butanone (MEK)	8260B		ND		ug/L	10	03/23/2000 1448	@	
Carbon disulfide	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Carbon tetrachloride	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Chlorobenzene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Chloroethane	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Chloroform	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Chloromethane (Methyl chloride)	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
cis-1,2-Dichloroethene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
cis-1,3-Dichloropropene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
1,2-Dibromo-3-chloropropane (DBCP)	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Dibromochloromethane	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
1,2-Dibromoethane (EDB)	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
1,2-Dichlorobenzene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
1,3-Dichlorobenzene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
1,4-Dichlorobenzene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
1,1-Dichloroethane	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
1,2-Dichloroethane	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
1,1-Dichloroethene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
1,2-Dichloropropane	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Ethylbenzene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
2-Hexanone	8260B		ND		ug/L	10	03/23/2000 1448	@	
Methyl tertiary butyl ether (MTBE)	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
4-Methyl-2-pentanone	8260B		ND		ug/L	10	03/23/2000 1448	@	
Methylene chloride	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Naphthalene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Styrene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
1,1,2,2-Tetrachloroethane	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Tetrachloroethene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
Toluene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
trans-1,2-Dichloroethene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
trans-1,3-Dichloropropene	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
1,1,1-Trichloroethane	8260B		ND		ug/L	5.0	03/23/2000 1448	@	
1,1,2-Trichloroethane	8260B		ND		ug/L	5.0	03/23/2000 1448	@	

Footnote(s) @ = SC DHEC Cert. #84009.

PQL = Practical quantitation limit

B = Detected in method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at PQL

J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

Description : TCRBZ
 Lot Number : BC17014-005 (190465)
 Client : Katawba Environmental, Inc.
 Date Received : 03/17/2000
 Collect Date : 03/16/2000
 Collect Time : 0947
 Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
Trichloroethene	8260B	ND		ug/L	5.0		03/23/2000 1448		@
Vinyl chloride	8260B	ND		ug/L	2.0		03/23/2000 1448		@
Xylenes (total)	8260B	ND		ug/L	5.0		03/23/2000 1448		@
Surrogates									
1,2-Dichloroethane-d4	8260B	92.0	%	70.0-130			03/23/2000 1448		@
Toluene-d8	8260B	92.0	%	70.0-130			03/23/2000 1448		@
Bromofluorobenzene	8260B	104	%	70.0-130			03/23/2000 1448		@
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Acenaphthylene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Anthracene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Benzo(a)anthracene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Benzo(a)pyrene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Benzo(b)fluoranthene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Benzo(g,h,i)perylene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Benzo(k)fluoranthene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
bis(2-Chloroethoxy)methane	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
bis(2-Chloroethyl)ether	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
bis(2-Chloroisopropyl)ether	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
bis(2-Ethylhexyl)phthalate	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
4-Bromophenyl phenyl ether	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Butyl benzyl phthalate	8270C	ND		ug/L	10	03/20/2000 1720	03/26/2000 1818	MWK	
Carbazole	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
4-Chloro-3-methyl phenol	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
4-Chloroaniline	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
2-Chloronaphthalene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
2-Chlorophenol	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
4-Chlorophenyl phenyl ether	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Chrysene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Di-n-butyl phthalate	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Di-n-octylphthalate	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Dibenz(a,h)anthracene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Dibenzofuran	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
1,2-Dichlorobenzene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
1,3-Dichlorobenzene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
1,4-Dichlorobenzene	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
3,3'-Dichlorobenzidine	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
2,4-Dichlorophenol	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Diethylphthalate	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	
Dimethyl phthalate	8270C	ND		ug/L	5.3	03/20/2000 1720	03/26/2000 1818	MWK	

Footnote(s) @ = SC DHEC Cert. #84009.

PQL = Practical quantitation limit

B = Detected in method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at PQL

J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

Lot Number : BC17014-005 (190465)
 Client : Katawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/16/2000
 Collect Time : 0947

Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Semivolatile Organic Compounds by GC/MS									
2,4-Dimethylphenol	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
4,6-Dinitro-2-methylphenol	8270C	ND	ug/L	26	03/20/2000 1720	03/26/2000	1818	MWK	
2,4-Dinitrophenol	8270C	ND	ug/L	26	03/20/2000 1720	03/26/2000	1818	MWK	
2,4-Dinitrotoluene	8270C	ND	ug/L	10	03/20/2000 1720	03/26/2000	1818	MWK	
2,6-Dinitrotoluene	8270C	ND	ug/L	10	03/20/2000 1720	03/26/2000	1818	MWK	
Fluoranthene	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
Fluorene	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
Hexachlorobenzene	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
Hexachlorobutadiene	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
Hexachlorocyclopentadiene	8270C	ND	ug/L	26	03/20/2000 1720	03/26/2000	1818	MWK	
Hexachloroethane	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
Indeno(1,2,3-c,d)pyrene	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
Isophorone	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
2-Methylnaphthalene	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
2-Methylphenol	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
3 & 4-Methylphenol	8270C	ND	ug/L	10	03/20/2000 1720	03/26/2000	1818	MWK	
N-Nitrosodi-n-propylamine	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
N-Nitrosodiphenylamine	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
Naphthalene	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
2-Nitroaniline	8270C	ND	ug/L	10	03/20/2000 1720	03/26/2000	1818	MWK	
3-Nitroaniline	8270C	ND	ug/L	10	03/20/2000 1720	03/26/2000	1818	MWK	
4-Nitroaniline	8270C	ND	ug/L	10	03/20/2000 1720	03/26/2000	1818	MWK	
Nitrobenzene	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
2-Nitrophenol	8270C	ND	ug/L	10	03/20/2000 1720	03/26/2000	1818	MWK	
4-Nitrophenol	8270C	ND	ug/L	26	03/20/2000 1720	03/26/2000	1818	MWK	
Pentachlorophenol	8270C	ND	ug/L	26	03/20/2000 1720	03/26/2000	1818	MWK	
Phenanthrene	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
Phenol	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
Pyrene	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
1,2,4-Trichlorobenzene	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
2,4,5-Trichlorophenol	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
2,4,6-Trichlorophenol	8270C	ND	ug/L	5.3	03/20/2000 1720	03/26/2000	1818	MWK	
Surrogates									
2,4,6-Tribromophenol	8270C	76.4	%	30.0-130	03/20/2000 1720	03/26/2000	1818	MWK	
2-Fluorobiphenyl	8270C	69.7	%	30.0-130	03/20/2000 1720	03/26/2000	1818	MWK	
Nitrobenzene-d5	8270C	70.5	%	30.0-130	03/20/2000 1720	03/26/2000	1818	MWK	
Terphenyl-d14	8270C	73.4	%	30.0-130	03/20/2000 1720	03/26/2000	1818	MWK	
2-Fluorophenol	8270C	63.7	%	30.0-130	03/20/2000 1720	03/26/2000	1818	MWK	
Phenol-d5	8270C	72.8	%	30.0-130	03/20/2000 1720	03/26/2000	1818	MWK	

ICP-AES

Footnote(s) @ = SC DHEC Cert. #84009.

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Lot Number : BC17014-005 (190465)
Client : Katawba Environmental, Inc.
Date Received : 03/17/2000

Collect Date : 03/16/2000
Collect Time : 0947
Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
ICP-AES									
Antimony	6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1658	FTS	
Arsenic	6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1658	FTS	
Barium	6010B	ND		mg/L	0.025	03/21/2000 0900	03/22/2000 1658	FTS	
Cadmium	6010B	ND		mg/L	0.0020	03/21/2000 0900	03/22/2000 1658	FTS	
Chromium	6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1658	FTS	
Cobalt	6010B	0.088		mg/L	0.025	03/21/2000 0900	03/22/2000 1658	FTS	
Copper	6010B	0.27		mg/L	0.0050	03/21/2000 0900	03/22/2000 1658	FTS	
Lead	6010B	ND		mg/L	0.0030	03/21/2000 0900	03/22/2000 1658	FTS	
Magnesium	6010B	16		mg/L	5.0	03/21/2000 0900	03/22/2000 1658	FTS	
Nickel	6010B	ND		mg/L	0.040	03/21/2000 0900	03/22/2000 1658	FTS	
Selenium	6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1658	FTS	
Silver	6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1658	FTS	
Tin	6010B	ND		mg/L	0.050	03/21/2000 0900	03/22/2000 1658	FTS	
Zinc	6010B	0.24		mg/L	0.020	03/21/2000 0900	03/22/2000 1658	FTS	
CVAA									
Mercury	7470A	ND		mg/L	0.00010	03/20/2000 0900	03/21/2000 0946	JLW	

Footnote(s) @ = SC DHEC Cert. #84009.

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B = Detected in method blank

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J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Lot Number : BC17014-006 (190466)
 Client : Katawba Environmental, Inc.
 Date Received : 03/17/2000

Collect Date : 03/16/2000
 Collect Time : 1019
 Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
Oil and Grease	413.1		ND		mg/L	5.0		03/24/2000 0930	WCS
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Acenaphthylene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Anthracene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Benzo(a)anthracene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Benzo(a)pyrene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Benzo(b)fluoranthene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Benzo(g,h,i)perylene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Benzo(k)fluoranthene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
bis(2-Chloroethoxy)methane	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
bis(2-Chloroethyl)ether	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
bis(2-Chloroisopropyl)ether	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
bis(2-Ethylhexyl)phthalate	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
4-Bromophenyl phenyl ether	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Butyl benzyl phthalate	8270C		ND		ug/L	10	03/20/2000 1720	03/26/2000 1615	MWK
Carbazole	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
4-Chloro-3-methyl phenol	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
4-Chloroaniline	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
2-Chloronaphthalene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
2-Chlorophenol	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
4-Chlorophenyl phenyl ether	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Chrysene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Di-n-butyl phthalate	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Di-n-octylphthalate	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Dibenzo(a,h)anthracene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Dibenzofuran	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
1,2-Dichlorobenzene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
1,3-Dichlorobenzene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
1,4-Dichlorobenzene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
3,3'-Dichlorobenzidine	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
2,4-Dichlorophenol	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Diethylphthalate	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
Dimethyl phthalate	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
2,4-Dimethylphenol	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK
4,6-Dinitro-2-methylphenol	8270C		ND		ug/L	25	03/20/2000 1720	03/26/2000 1615	MWK
2,4-Dinitrophenol	8270C		ND		ug/L	25	03/20/2000 1720	03/26/2000 1615	MWK
2,4-Dinitrotoluene	8270C		ND		ug/L	10	03/20/2000 1720	03/26/2000 1615	MWK
2,6-Dinitrotoluene	8270C		ND		ug/L	10	03/20/2000 1720	03/26/2000 1615	MWK
Fluoranthene	8270C		ND		ug/L	5.0	03/20/2000 1720	03/26/2000 1615	MWK

Footnote(s) Due to sample breakage, VOC results reported under separate cover.

PQL = Practical quantitation limit

B = Detected in method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at PQL

J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

Lot Number : BC17014-006 (190466) Collect Date : 03/16/2000
 Client : Katawba Environmental, Inc. Collect Time : 1019
 Date Received : 03/17/2000 Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Semivolatile Organic Compounds by GC/MS									
Fluorene	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
Hexachlorobenzene	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
Hexachlorobutadiene	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
Hexachlorocyclopentadiene	8270C	ND	ug/L	25	03/20/2000 1720	03/26/2000	1615	MWK	
Hexachloroethane	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
Indeno(1,2,3-c,d)pyrene	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
Isophorone	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
2-Methylnaphthalene	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
2-Methylphenol	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
3 & 4-Methylphenol	8270C	ND	ug/L	10	03/20/2000 1720	03/26/2000	1615	MWK	
N-Nitrosodi-n-propylamine	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
N-Nitrosodiphenylamine	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
Naphthalene	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
2-Nitroaniline	8270C	ND	ug/L	10	03/20/2000 1720	03/26/2000	1615	MWK	
3-Nitroaniline	8270C	ND	ug/L	10	03/20/2000 1720	03/26/2000	1615	MWK	
4-Nitroaniline	8270C	ND	ug/L	10	03/20/2000 1720	03/26/2000	1615	MWK	
Nitrobenzene	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
2-Nitrophenol	8270C	ND	ug/L	10	03/20/2000 1720	03/26/2000	1615	MWK	
4-Nitrophenol	8270C	ND	ug/L	25	03/20/2000 1720	03/26/2000	1615	MWK	
Pentachlorophenol	8270C	ND	ug/L	25	03/20/2000 1720	03/26/2000	1615	MWK	
Phenanthrene	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
Phenol	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
Pyrene	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
1,2,4-Trichlorobenzene	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
2,4,5-Trichlorophenol	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
2,4,6-Trichlorophenol	8270C	ND	ug/L	5.0	03/20/2000 1720	03/26/2000	1615	MWK	
Surrogates									
2,4,6-Tribromophenol	8270C	81.6	%	30.0-130	03/20/2000 1720	03/26/2000	1615	MWK	
2-Fluorobiphenyl	8270C	80.2	%	30.0-130	03/20/2000 1720	03/26/2000	1615	MWK	
Nitrobenzene-d5	8270C	80.8	%	30.0-130	03/20/2000 1720	03/26/2000	1615	MWK	
Terphenyl-d14	8270C	77.6	%	30.0-130	03/20/2000 1720	03/26/2000	1615	MWK	
2-Fluorophenol	8270C	75.6	%	30.0-130	03/20/2000 1720	03/26/2000	1615	MWK	
Phenol-d5	8270C	84.4	%	30.0-130	03/20/2000 1720	03/26/2000	1615	MWK	

ICP-AES

Antimony	6010B	ND	mg/L	0.0050	03/21/2000 0900	03/22/2000	1704	FTS
Arsenic	6010B	ND	mg/L	0.0050	03/21/2000 0900	03/22/2000	1704	FTS
Barium	6010B	ND	mg/L	0.025	03/21/2000 0900	03/22/2000	1704	FTS
Cadmium	6010B	ND	mg/L	0.0020	03/21/2000 0900	03/22/2000	1704	FTS
Chromium	6010B	0.010	mg/L	0.0050	03/21/2000 0900	03/22/2000	1704	FTS
Cobalt	6010B	0.17	mg/L	0.025	03/21/2000 0900	03/22/2000	1704	FTS

Footnote(s) Due to sample breakage, VOC results reported under separate cover.

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Lot Number : BC17014-006 (190466)
Client : Katawba Environmental, Inc.
Date Received : 03/17/2000

Collect Date : 03/16/2000
Collect Time : 1019
Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
ICP-AES									
Antimony		6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1704	FTS
Arsenic		6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1704	FTS
Barium		6010B	ND		mg/L	0.025	03/21/2000 0900	03/22/2000 1704	FTS
Cadmium		6010B	ND		mg/L	0.0020	03/21/2000 0900	03/22/2000 1704	FTS
Chromium		6010B	0.010		mg/L	0.0050	03/21/2000 0900	03/22/2000 1704	FTS
Cobalt		6010B	0.17		mg/L	0.025	03/21/2000 0900	03/22/2000 1704	FTS
Copper		6010B	0.65		mg/L	0.0050	03/21/2000 0900	03/22/2000 1704	FTS
Lead		6010B	ND		mg/L	0.0030	03/21/2000 0900	03/22/2000 1704	FTS
Magnesium		6010B	34		mg/L	5.0	03/21/2000 0900	03/22/2000 1704	FTS
Nickel		6010B	0.071		mg/L	0.040	03/21/2000 0900	03/22/2000 1704	FTS
Selenium		6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1704	FTS
Silver		6010B	ND		mg/L	0.0050	03/21/2000 0900	03/22/2000 1704	FTS
Tin		6010B	ND		mg/L	0.050	03/21/2000 0900	03/22/2000 1704	FTS
Zinc		6010B	0.54		mg/L	0.020	03/21/2000 0900	03/22/2000 1704	FTS
CVAA									
Mercury		7470A	ND		mg/L	0.00010	03/20/2000 0900	03/21/2000 0950	JLW

Footnote(s) Due to sample breakage, VOC results reported under separate cover.

PQL = Practical quantitation limit

B = Detected in method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at PQL

J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

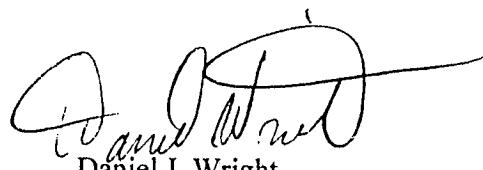
106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Report of Analysis

Katawba Environmental, Inc.

PO Box 11228
Rock Hill, SC 29731
Attention : Alex Amos

Lot Number : BC24014
Date Completed : 04/10/2000



Daniel J. Wright
Project Manager

Total number of pages in report : 26

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SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

SC DHEC No. 32010

NC DEHNR No. 329

Client : Katawba Environmental, Inc.
PO Box 11228
Rock Hill, SC 29731

Attention : Alex Amos
PO Number : OWENS

Description : DITCH 1
Lot Number : BC24014-001 (191002) Collect Date : 03/22/2000
Collect Time : 1103

Date Received : 03/24/2000 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
Oil and Grease (silica gel cleanup)		9071A	ND		mg/kg	68		03/30/2000 1045	AT
% Solids		160.3	73.3		%			03/28/2000 1115	RED
pH		9045C	4.33		Std. units			03/27/2000 1550	SEH

Volatile Organic Compounds by GC/MS

Acetone	5035	8260B	ND	ug/kg	26		03/24/2000 1445	ECM
Benzene	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
Bromodichloromethane	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
Bromoform	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
Bromomethane (Methyl bromide)	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
2-Butanone (MEK)	5035	8260B	ND	ug/kg	13		03/24/2000 1445	ECM
Carbon disulfide	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
Carbon tetrachloride	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
Chlorobenzene	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
Chloroethane	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
Chloroform	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
Chloromethane (Methyl chloride)	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
1,2-Dibromo-3-chloropropane (DBCP)	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
Dibromochloromethane	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
1,2-Dibromoethane (EDB)	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
cis-1,2-Dichloroethene	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
trans-1,2-Dichloroethene	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
trans-1,3-Dichloropropene	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
cis-1,3-Dichloropropene	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
1,2-Dichlorobenzene	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
1,3-Dichlorobenzene	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM
1,4-Dichlorobenzene	5035	8260B	ND	ug/kg	6.4		03/24/2000 1445	ECM

PQL = Practical quantitation limit
ND = Not detected at PQL

B = Detected in method blank
J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
Soils reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Lot Number : BC24014-001 (191002)
 Client : Katawba Environmental, Inc.
 Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 1103
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
1,1-Dichloroethane	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
1,2-Dichloroethane	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
1,1-Dichloroethene	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
1,2-Dichloropropane	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
Ethylbenzene	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
2-Hexanone	5035	8260B	ND		ug/kg	13		03/24/2000 1445	ECM
Methyl tertiary butyl ether (MTBE)	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
4-Methyl-2-pentanone	5035	8260B	ND		ug/kg	13		03/24/2000 1445	ECM
Methylene chloride	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
Naphthalene	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
Styrene	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
1,1,2,2-Tetrachloroethane	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
Tetrachloroethene	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
Toluene	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
1,1,1-Trichloroethane	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
1,1,2-Trichloroethane	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
Trichloroethene	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
Vinyl chloride	5035	8260B	ND		ug/kg	13		03/24/2000 1445	ECM
Xylenes (total)	5035	8260B	ND		ug/kg	6.4		03/24/2000 1445	ECM
Surrogates									
1,2-Dichloroethane-d4	5035	8260B	95.3		%	70.0-130		03/24/2000 1445	ECM
Toluene-d8	5035	8260B	106		%	70.0-130		03/24/2000 1445	ECM
Bromofluorobenzene	5035	8260B	112		%	70.0-130		03/24/2000 1445	ECM
Semivolatile Organic Compounds by GC/MS									
Acenaphthene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Acenaphthylene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Anthracene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Benzo(a)anthracene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Benzo(a)pyrene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Benzo(b)fluoranthene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Benzo(g,h,i)perylene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Benzo(k)fluoranthene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Chrysene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Dibenzo(a,h)anthracene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Fluoranthene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Fluorene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Indeno(1,2,3-c,d)pyrene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Naphthalene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Phenanthrene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK
Pyrene		8270C	ND		ug/kg	440	03/29/2000 0945	03/30/2000 1359	MWK

PQL = Practical quantitation limit

B = Detected in method blank

ND = Not detected at PQL

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Lot Number	: BC24014-001 (191002)	Collect Date :	03/22/2000						
Client	: Katawba Environmental, Inc.	Collect Time :	1103						
Date Received	: 03/24/2000	Matrix :	Solid						
Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Surrogates									
Nitrobenzene-d5	8270C		56.7		%	30.0-130	03/29/2000 0945	03/30/2000 1359	MWK
2-Fluorobiphenyl	8270C		61.6		%	30.0-130	03/29/2000 0945	03/30/2000 1359	MWK
Terphenyl-d14	8270C		77.1		%	30.0-130	03/29/2000 0945	03/30/2000 1359	MWK
ICP-AES									
Antimony	6010B		ND		mg/kg	0.34	03/29/2000 0900	03/29/2000 1657	FTS
Arsenic	6010B		3.5		mg/kg	0.34	03/29/2000 0900	03/29/2000 1657	FTS
Barium	6010B		100		mg/kg	1.8	03/29/2000 0900	03/29/2000 1657	FTS
Cadmium	6010B		0.84		mg/kg	0.14	03/29/2000 0900	03/29/2000 1657	FTS
Chromium	6010B		5.4		mg/kg	0.34	03/29/2000 0900	03/29/2000 1657	FTS
Cobalt	6010B		ND		mg/kg	1.8	03/29/2000 0900	03/29/2000 1657	FTS
Copper	6010B		16		mg/kg	0.34	03/29/2000 0900	03/29/2000 1657	FTS
Lead	6010B		3.8		mg/kg	0.34	03/29/2000 0900	03/29/2000 1657	FTS
Magnesium	6010B		ND		mg/kg	340	03/29/2000 0900	03/29/2000 1657	FTS
Nickel	6010B		ND		mg/kg	2.7	03/29/2000 0900	03/29/2000 1657	FTS
Selenium	6010B		2.1		mg/kg	0.34	03/29/2000 0900	03/29/2000 1657	FTS
Silver	6010B		ND		mg/kg	0.34	03/29/2000 0900	03/29/2000 1657	FTS
Tin	6010B		ND		mg/kg	3.4	03/29/2000 0900	03/29/2000 1657	FTS
Zinc	6010B		ND		mg/kg	3.4	03/29/2000 0900	03/29/2000 1657	FTS
CVAA									
Mercury	7471A		ND		mg/kg	0.11	03/28/2000 0900	03/28/2000 1102	JLW

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank
 J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Soils reported on a dry weight basis unless flagged with a "W"

Lot Number : BC24014-002 (191003)
 Client : Katawba Environmental, Inc.
 Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 1129
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
Oil and Grease (silica gel cleanup)	9071A		ND		mg/kg	54		03/30/2000 1045	AT
% Solids		160.3	91.7		%			03/28/2000 1115	RED
pH		9045C	4.21		Std. units			03/27/2000 1550	SEH
Volatile Organic Compounds by GC/MS									
Acetone	5035	8260B	97		ug/kg	37		03/24/2000 1739	ECM
Benzene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Bromodichloromethane	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Bromoform	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Bromomethane (Methyl bromide)	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
2-Butanone (MEK)	5035	8260B	ND		ug/kg	19		03/24/2000 1739	ECM
Carbon disulfide	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Carbon tetrachloride	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Chlorobenzene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Chloroethane	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Chloroform	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Chloromethane (Methyl chloride)	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
1,2-Dibromo-3-chloropropane (DBCP)	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Dibromochloromethane	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
1,2-Dibromoethane (EDB)	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
cis-1,2-Dichloroethene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
trans-1,2-Dichloroethene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
trans-1,3-Dichloropropene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
cis-1,3-Dichloropropene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
1,2-Dichlorobenzene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
1,3-Dichlorobenzene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
1,4-Dichlorobenzene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
1,1-Dichloroethane	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
1,2-Dichloroethane	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
1,1-Dichloroethene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
1,2-Dichloropropane	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Ethylbenzene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
2-Hexanone	5035	8260B	ND		ug/kg	19		03/24/2000 1739	ECM
Methyl tertiary butyl ether (MTBE)	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
4-Methyl-2-pentanone	5035	8260B	ND		ug/kg	19		03/24/2000 1739	ECM
Methylene chloride	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Naphthalene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Styrene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
1,1,2,2-Tetrachloroethane	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Tetrachloroethene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Toluene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Lot Number : BC24014-002 (191003) Collect Date : 03/22/2000
 Client : Katawba Environmental, Inc. Collect Time : 1129
 Date Received : 03/24/2000 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
1,1,2-Trichloroethane	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Trichloroethene	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Vinyl chloride	5035	8260B	ND		ug/kg	19		03/24/2000 1739	ECM
Xylenes (total)	5035	8260B	ND		ug/kg	9.3		03/24/2000 1739	ECM
Surrogates									
1,2-Dichloroethane-d4	5035	8260B	104	%	70.0-130			03/24/2000 1739	ECM
Toluene-d8	5035	8260B	106	%	70.0-130			03/24/2000 1739	ECM
Bromofluorobenzene	5035	8260B	117	%	70.0-130			03/24/2000 1739	ECM
Semivolatile Organic Compounds by GC/MS									
Acenaphthene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Acenaphthylene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Anthracene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Benzo(a)anthracene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Benzo(a)pyrene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Benzo(b)fluoranthene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Benzo(g,h,i)perylene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Benzo(k)fluoranthene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Chrysene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Dibenzo(a,h)anthracene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Fluoranthene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Fluorene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Indeno(1,2,3-c,d)pyrene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Naphthalene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Phenanthrene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Pyrene		8270C	ND		ug/kg	360	03/29/2000 0945	03/30/2000 1432	MWK
Surrogates									
Nitrobenzene-d5		8270C	64.3	%	30.0-130	03/29/2000 0945	03/30/2000 1432	MWK	
2-Fluorobiphenyl		8270C	66.0	%	30.0-130	03/29/2000 0945	03/30/2000 1432	MWK	
Terphenyl-d14		8270C	81.9	%	30.0-130	03/29/2000 0945	03/30/2000 1432	MWK	
ICP-AES									
Antimony		6010B	ND		mg/kg	0.27	03/29/2000 0900	03/29/2000 1702	FTS
Arsenic		6010B	2.0		mg/kg	0.27	03/29/2000 0900	03/29/2000 1702	FTS
Barium		6010B	21		mg/kg	1.4	03/29/2000 0900	03/29/2000 1702	FTS
Cadmium		6010B	0.48		mg/kg	0.11	03/29/2000 0900	03/29/2000 1702	FTS
Chromium		6010B	0.29		mg/kg	0.27	03/29/2000 0900	03/29/2000 1702	FTS
Cobalt		6010B	2.9		mg/kg	1.4	03/29/2000 0900	03/29/2000 1702	FTS
Copper		6010B	4.3		mg/kg	0.27	03/29/2000 0900	03/29/2000 1702	FTS

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Description : DITCH Z
 Lot Number : BC24014-002 (191003)
 Client : Catawba Environmental, Inc.
 Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 1129
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep	Analysis	Date/Time	Analyst
							Date/Time			
ICP-AES										
Lead		6010B	ND		mg/kg	0.27	03/29/2000 0900	03/29/2000	1702	FTS
Magnesium		6010B	ND		mg/kg	270	03/29/2000 0900	03/29/2000	1702	FTS
Nickel		6010B	ND		mg/kg	2.2	03/29/2000 0900	03/29/2000	1702	FTS
Selenium		6010B	3.0		mg/kg	0.27	03/29/2000 0900	03/29/2000	1702	FTS
Silver		6010B	ND		mg/kg	0.27	03/29/2000 0900	03/29/2000	1702	FTS
Tin		6010B	ND		mg/kg	2.7	03/29/2000 0900	03/29/2000	1702	FTS
Zinc		6010B	ND		mg/kg	2.7	03/29/2000 0900	03/29/2000	1702	FTS
CVAA										
Mercury		7471A	ND		mg/kg	0.090	03/28/2000 0900	03/28/2000	1103	JLW

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank
 J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Soils reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Description : DITCH 3
Lot Number : BC24014-003 (191004)
Client : Katawba Environmental, Inc.
Date Received : 03/24/2000

Collect Date : 03/22/2000
Collect Time : 1231
Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
Oil and Grease (silica gel cleanup)	9071A		ND		mg/kg	60		03/30/2000 1045	AT
% Solids			160.3	83.7	%			03/28/2000 1115	RED
pH		9045C		2.87	Std. units			03/27/2000 1550	SEH
Volatile Organic Compounds by GC/MS									
Acetone	5035	8260B	68		ug/kg	27		03/24/2000 1814	ECM
Benzene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Bromodichloromethane	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Bromoform	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Bromomethane (Methyl bromide)	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
2-Butanone (MEK)	5035	8260B	ND		ug/kg	14		03/24/2000 1814	ECM
Carbon disulfide	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Carbon tetrachloride	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Chlorobenzene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Chloroethane	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Chloroform	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Chloromethane (Methyl chloride)	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
1,2-Dibromo-3-chloropropane (DBCP)	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Dibromochloromethane	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
1,2-Dibromoethane (EDB)	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
cis-1,2-Dichloroethene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
trans-1,2-Dichloroethene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
trans-1,3-Dichloropropene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
cis-1,3-Dichloropropene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
1,2-Dichlorobenzene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
1,3-Dichlorobenzene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
1,4-Dichlorobenzene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
1,1-Dichloroethane	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
1,2-Dichloroethane	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
1,1-Dichloroethene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
1,2-Dichloropropane	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Ethylbenzene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
2-Hexanone	5035	8260B	ND		ug/kg	14		03/24/2000 1814	ECM
Methyl tertiary butyl ether (MTBE)	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
4-Methyl-2-pentanone	5035	8260B	ND		ug/kg	14		03/24/2000 1814	ECM
Methylene chloride	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Naphthalene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Styrene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
1,1,2,2-Tetrachloroethane	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Tetrachloroethene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Toluene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : DITCH 3
 Lot Number : BC24014-003 (191004)
 Client : Catawba Environmental, Inc.
 Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 1231
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
1,1,2-Trichloroethane	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Trichloroethylene	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Vinyl chloride	5035	8260B	ND		ug/kg	14		03/24/2000 1814	ECM
Xylenes (total)	5035	8260B	ND		ug/kg	6.8		03/24/2000 1814	ECM
Surrogates									
1,2-Dichloroethane-d4	5035	8260B	86.6	%	70.0-130			03/24/2000 1814	ECM
Toluene-d8	5035	8260B	104	%	70.0-130			03/24/2000 1814	ECM
Bromofluorobenzene	5035	8260B	110	%	70.0-130			03/24/2000 1814	ECM
Semivolatile Organic Compounds by GC/MS									
Acenaphthene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Acenaphthylene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Anthracene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Benzo(a)anthracene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Benzo(a)pyrene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Benzo(b)fluoranthene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Benzo(g,h,i)perylene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Benzo(k)fluoranthene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Chrysene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Dibenzo(a,h)anthracene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Fluoranthene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Fluorene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Indeno(1,2,3-c,d)pyrene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Naphthalene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Phenanthrene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Pyrene		8270C	ND		ug/kg	390	03/29/2000 0945	03/30/2000 1504	MWK
Surrogates									
2-Fluorobiphenyl		8270C	36.8	%	30.0-130	03/29/2000 0945	03/30/2000 1504	MWK	
Terphenyl-d14		8270C	78.7	%	30.0-130	03/29/2000 0945	03/30/2000 1504	MWK	
Nitrobenzene-d5		8270C	28.9	%	30.0-130	03/29/2000 0945	03/30/2000 1504	MWK	
ICP-AES									
Antimony		6010B	6.2		mg/kg	0.30	03/29/2000 0900	03/29/2000 1708	FTS
Arsenic		6010B	0.85		mg/kg	0.30	03/29/2000 0900	03/29/2000 1708	FTS
Barium		6010B	64		mg/kg	1.6	03/29/2000 0900	03/29/2000 1708	FTS
Cadmium		6010B	ND		mg/kg	0.12	03/29/2000 0900	03/29/2000 1708	FTS
Chromium		6010B	ND		mg/kg	0.30	03/29/2000 0900	03/29/2000 1708	FTS
Cobalt		6010B	ND		mg/kg	1.6	03/29/2000 0900	03/29/2000 1708	FTS
Copper		6010B	2.6		mg/kg	0.30	03/29/2000 0900	03/29/2000 1708	FTS

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank
 J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Soils reported on a dry weight basis unless flagged with a "W"

Description : DITCH 3
 Lot Number : BC24014-003 (191004)
 Client : Katawba Environmental, Inc.
 Date Received : 03/24/2000
 Collect Date : 03/22/2000
 Collect Time : 1231
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
ICP-AES									
Lead		6010B	94		mg/kg	0.30	03/29/2000 0900	03/29/2000 1708	FTS
Magnesium		6010B	ND		mg/kg	300	03/29/2000 0900	03/29/2000 1708	FTS
Nickel		6010B	ND		mg/kg	2.4	03/29/2000 0900	03/29/2000 1708	FTS
Selenium		6010B	1.9		mg/kg	0.30	03/29/2000 0900	03/29/2000 1708	FTS
Silver		6010B	ND		mg/kg	0.30	03/29/2000 0900	03/29/2000 1708	FTS
Tin		6010B	3.7		mg/kg	3.0	03/29/2000 0900	03/29/2000 1708	FTS
Zinc		6010B	ND		mg/kg	3.0	03/29/2000 0900	03/29/2000 1708	FTS
CVAA									
Mercury		7471A	ND		mg/kg	0.099	03/28/2000 0900	03/28/2000 1107	JLW

PQL = Practical quantitation limit
 ND = Not detected at PQL

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SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Description : DITCH 4
 Lot Number : BC24014-004 (191005)
 Client : Catawba Environmental, Inc.
 Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 1258
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
Oil and Grease (silica gel cleanup)	9071A		ND		mg/kg	57		03/30/2000 1045	AT
% Solids		160.3	88.0		%			03/28/2000 1115	RED
pH		9045C	3.88		Std. units			03/27/2000 1550	SEH
Volatile Organic Compounds by GC/MS									
Acetone	5035	8260B	26		ug/kg	17		03/24/2000 1630	ECM
Benzene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Bromodichloromethane	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Bromoform	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Bromomethane (Methyl bromide)	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
2-Butanone (MEK)	5035	8260B	ND		ug/kg	8.4		03/24/2000 1630	ECM
Carbon disulfide	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Carbon tetrachloride	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Chlorobenzene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Chloroethane	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Chloroform	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Chloromethane (Methyl chloride)	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
1,2-Dibromo-3-chloropropane (DBCP)	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Dibromochloromethane	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
1,2-Dibromoethane (EDB)	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
cis-1,2-Dichloroethene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
trans-1,2-Dichloroethene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
trans-1,3-Dichloropropene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
cis-1,3-Dichloropropene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
1,2-Dichlorobenzene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
1,3-Dichlorobenzene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
1,4-Dichlorobenzene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
1,1-Dichloroethane	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
1,2-Dichloroethane	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
1,1-Dichloroethene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
1,2-Dichloropropane	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Ethylbenzene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
2-Hexanone	5035	8260B	ND		ug/kg	8.4		03/24/2000 1630	ECM
Methyl tertiary butyl ether (MTBE)	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
4-Methyl-2-pentanone	5035	8260B	ND		ug/kg	8.4		03/24/2000 1630	ECM
Methylene chloride	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Naphthalene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Styrene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
1,1,2,2-Tetrachloroethane	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Tetrachloroethene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Toluene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank
 J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Soils reported on a dry weight basis unless flagged with a "W"

Description : D1CH4
 Lot Number : BC24014-004 (191005)
 Client : Katawba Environmental, Inc.
 Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 1258
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
1,1,2-Trichloroethane	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Trichloroethylene	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Vinyl chloride	5035	8260B	ND		ug/kg	8.4		03/24/2000 1630	ECM
Xylenes (total)	5035	8260B	ND		ug/kg	4.2		03/24/2000 1630	ECM
Surrogates									
1,2-Dichloroethane-d4	5035	8260B	104	%	70.0-130			03/24/2000 1630	ECM
Toluene-d8	5035	8260B	113	%	70.0-130			03/24/2000 1630	ECM
Bromofluorobenzene	5035	8260B	121	%	70.0-130			03/24/2000 1630	ECM
Semivolatile Organic Compounds by GC/MS									
Acenaphthene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Acenaphthylene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Anthracene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Benzo(a)anthracene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Benzo(a)pyrene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Benzo(b)fluoranthene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Benzo(g,h,i)perylene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Benzo(k)fluoranthene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Chrysene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Dibenzo(a,h)anthracene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Fluoranthene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Fluorene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Indeno(1,2,3-c,d)pyrene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Naphthalene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Phenanthrene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Pyrene		8270C	ND		ug/kg	370	03/29/2000 0945	03/30/2000 1537	MWK
Surrogates									
2-Fluorobiphenyl		8270C	68.0	%	30.0-130	03/29/2000 0945	03/30/2000 1537	MWK	
Terphenyl-d14		8270C	87.1	%	30.0-130	03/29/2000 0945	03/30/2000 1537	MWK	
Nitrobenzene-d5		8270C	66.3	%	30.0-130	03/29/2000 0945	03/30/2000 1537	MWK	
ICP-AES									
Antimony		6010B	ND		mg/kg	0.28	03/29/2000 0900	03/29/2000 1713	FTS
Arsenic		6010B	1.7		mg/kg	0.28	03/29/2000 0900	03/29/2000 1713	FTS
Barium		6010B	62		mg/kg	1.5	03/29/2000 0900	03/29/2000 1713	FTS
Cadmium		6010B	0.31		mg/kg	0.11	03/29/2000 0900	03/29/2000 1713	FTS
Chromium		6010B	0.63		mg/kg	0.28	03/29/2000 0900	03/29/2000 1713	FTS
Cobalt		6010B	ND		mg/kg	1.5	03/29/2000 0900	03/29/2000 1713	FTS
Copper		6010B	7.4		mg/kg	0.28	03/29/2000 0900	03/29/2000 1713	FTS

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank
 J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Soils reported on a dry weight basis unless flagged with a "W"

Description : DITCH 4
Lot Number : BC24014-004 (191005)
Client : Catawba Environmental, Inc.
Date Received : 03/24/2000

Collect Date : 03/22/2000
Collect Time : 1258
Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep	Analysis Date/Time	Analyst
							Date/Time		
ICP-AES									
Lead		6010B	2.3		mg/kg	0.28	03/29/2000 0900	03/29/2000 1713	FTS
Magnesium		6010B	ND		mg/kg	280	03/29/2000 0900	03/29/2000 1713	FTS
Nickel		6010B	ND		mg/kg	2.3	03/29/2000 0900	03/29/2000 1713	FTS
Selenium		6010B	1.4		mg/kg	0.28	03/29/2000 0900	03/29/2000 1713	FTS
Silver		6010B	ND		mg/kg	0.28	03/29/2000 0900	03/29/2000 1713	FTS
Tin		6010B	ND		mg/kg	2.8	03/29/2000 0900	03/29/2000 1713	FTS
Zinc		6010B	ND		mg/kg	2.8	03/29/2000 0900	03/29/2000 1713	FTS
CVAA									
Mercury		7471A	ND		mg/kg	0.094	03/28/2000 0900	03/28/2000 1107	JLW

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank
 J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Soils reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Description : POND1
Lot Number : BC24014-005 (191006)
Client : Catawba Environmental, Inc.
Date Received : 03/24/2000

Collect Date : 03/22/2000
Collect Time : 1505
Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
pH			150.1	2.82	Std. units			04/05/2000 1445	SEH
Specific Conductance			120.1	1810	umhos/cm	10.0		04/10/2000 1500	SEH

PQL = Practical quantitation limit
ND = Not detected at PQL

B = Detected in method blank
J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
Soils reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Description : POND2
Lot Number : BC24014-006 (191007)
Client : Catawba Environmental, Inc.
Date Received : 03/24/2000

Collect Date : 03/22/2000
Collect Time : 1515
Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
pH			150.1	2.86	Std. units			04/05/2000 1445	SEH
Specific Conductance			120.1	1820	umhos/cm	10.0		04/10/2000 1500	SEH

PQL = Practical quantitation limit
ND = Not detected at PQL

B = Detected in method blank
J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
Soils reported on a dry weight basis unless flagged with a "W"

Description : POND3
Lot Number : BC24014-007 (191008)
Client : Catawba Environmental, Inc.
Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 1527
 Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
pH		150.1	2.82		Std. units			04/05/2000 1445	SEH
Specific Conductance		120.1	1840		umhos/cm	10.0		04/10/2000 1500	SEH
Volatile Organic Compounds by GC/MS									
Acetone	8260B	ND		ug/L	20		03/29/2000 0709	@	
Benzene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Bromodichloromethane	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Bromoform	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Bromomethane (Methyl bromide)	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
2-Butanone (MEK)	8260B	ND		ug/L	10		03/29/2000 0709	@	
Carbon disulfide	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Carbon tetrachloride	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Chlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Chloroethane	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Chloroform	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Chloromethane (Methyl chloride)	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
cis-1,2-Dichloroethene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
cis-1,3-Dichloropropene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
1,2-Dibromo-3-chloropropane (DBCP)	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Dibromochloromethane	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
1,2-Dibromoethane (EDB)	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
1,2-Dichlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
1,3-Dichlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
1,4-Dichlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
1,1-Dichloroethane	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
1,2-Dichloroethane	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
1,1-Dichloroethene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
1,2-Dichloropropane	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Ethylbenzene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
2-Hexanone	8260B	ND		ug/L	10		03/29/2000 0709	@	
Methyl tertiary butyl ether (MTBE)	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
4-Methyl-2-pentanone	8260B	ND		ug/L	10		03/29/2000 0709	@	
Methylene chloride	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Naphthalene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Styrene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
1,1,2,2-Tetrachloroethane	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Tetrachloroethene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
Toluene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
trans-1,2-Dichloroethene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
trans-1,3-Dichloropropene	8260B	ND		ug/L	5.0		03/29/2000 0709	@	
1,1,1-Trichloroethane	8260B	ND		ug/L	5.0		03/29/2000 0709	@	

Footnote(s) @ = SCDHEC Certification No. 84009

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Description : POND3
 Lot Number : BC24014-007 (191008)
 Client : Catawba Environmental, Inc.
 Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 1527
 Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
1,1,2-Trichloroethane	8260B	ND			ug/L	5.0		03/29/2000 0709	@
Trichloroethene	8260B	ND			ug/L	5.0		03/29/2000 0709	@
Vinyl chloride	8260B	ND			ug/L	2.0		03/29/2000 0709	@
Xylenes (total)	8260B	ND			ug/L	5.0		03/29/2000 0709	@
Surrogates									
1,2-Dichloroethane-d4	8260B	100		%	70.0-130			03/29/2000 0709	@
Toluene-d8	8260B	109		%	70.0-130			03/29/2000 0709	@
Bromofluorobenzene	8260B	100		%	70.0-130			03/29/2000 0709	@

Footnote(s) @ = SCDHEC Certification No. 84009

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Description : MW-1
Lot Number : BC24014-008 (191009)
Client : Catawba Environmental, Inc.
Date Received : 03/24/2000

Collect Date : 03/22/2000
Collect Time : 0945
Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
Specific Conductance		120.1	1860		umhos/cm	10.0		04/05/2000 1600	SEH
Oil and Grease		413.1	ND		mg/L	5.0		04/04/2000 0900	JBK
pH		150.1	3.57		Std. units			03/27/2000 1545	SEH
Volatile Organic Compounds by GC/MS									
Acetone	8260B	ND		ug/L	20		03/29/2000 0519	@	
Benzene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Bromodichloromethane	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Bromoform	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Bromomethane (Methyl bromide)	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
2-Butanone (MEK)	8260B	ND		ug/L	10		03/29/2000 0519	@	
Carbon disulfide	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Carbon tetrachloride	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Chlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Chloroethane	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Chloroform	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Chloromethane (Methyl chloride)	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
cis-1,2-Dichloroethene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
cis-1,3-Dichloropropene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
1,2-Dibromo-3-chloropropane (DBCP)	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Dibromochloromethane	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
1,2-Dibromoethane (EDB)	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
1,2-Dichlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
1,3-Dichlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
1,4-Dichlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
1,1-Dichloroethane	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
1,2-Dichloroethane	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
1,1-Dichloroethene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
1,2-Dichloropropane	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Ethylbenzene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
2-Hexanone	8260B	ND		ug/L	10		03/29/2000 0519	@	
Methyl tertiary butyl ether (MTBE)	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
4-Methyl-2-pentanone	8260B	ND		ug/L	10		03/29/2000 0519	@	
Methylene chloride	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Naphthalene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Styrene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
1,1,2,2-Tetrachloroethane	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Tetrachloroethene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
Toluene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
trans-1,2-Dichloroethene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	
trans-1,3-Dichloropropene	8260B	ND		ug/L	5.0		03/29/2000 0519	@	

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Soils reported on a dry weight basis unless flagged with a "W"

Description : MW-1
 Lot Number : BC24014-008 (191009)
 Client : Catawba Environmental, Inc.
 Date Received : 03/24/2000
 Collect Date : 03/22/2000
 Collect Time : 0945
 Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	8260B	ND			ug/L	5.0	03/29/2000 0519	03/29/2000 0519	@
1,1,2-Trichloroethane	8260B	ND			ug/L	5.0	03/29/2000 0519	03/29/2000 0519	@
Trichloroethene	8260B	ND			ug/L	5.0	03/29/2000 0519	03/29/2000 0519	@
Vinyl chloride	8260B	ND			ug/L	2.0	03/29/2000 0519	03/29/2000 0519	@
Xylenes (total)	8260B	ND			ug/L	5.0	03/29/2000 0519	03/29/2000 0519	@
Surrogates									
1,2-Dichloroethane-d4	8260B	101		%	70.0-130		03/29/2000 0519	03/29/2000 0519	@
Toluene-d8	8260B	106		%	70.0-130		03/29/2000 0519	03/29/2000 0519	@
Bromofluorobenzene	8260B	106		%	70.0-130		03/29/2000 0519	03/29/2000 0519	@
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Acenaphthylene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Anthracene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Benzo(a)anthracene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Benzo(a)pyrene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Benzo(b)fluoranthene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Benzo(g,h,i)perylene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Benzo(k)fluoranthene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Chrysene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Dibenzo(a,h)anthracene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Fluoranthene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Fluorene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Indeno(1,2,3-c,d)pyrene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Naphthalene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Phenanthrene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Pyrene	8270C	ND			ug/L	5.9	03/27/2000 1055	03/30/2000 1222	MWK
Surrogates									
Terphenyl-d14	8270C	59.0		%	30.0-130	03/27/2000 1055	03/30/2000 1222	MWK	
2-Fluorobiphenyl	8270C	58.5		%	30.0-130	03/27/2000 1055	03/30/2000 1222	MWK	
Nitrobenzene-d5	8270C	52.2		%	30.0-130	03/27/2000 1055	03/30/2000 1222	MWK	
ICP-AES									
Antimony	6010B	ND			mg/L	0.010	03/29/2000 0900	03/31/2000 1213	FTS
Arsenic	6010B	ND			mg/L	0.010	03/29/2000 0900	03/31/2000 1213	FTS
Barium	6010B	0.079			mg/L	0.050	03/29/2000 0900	03/31/2000 1213	FTS
Cadmium	6010B	ND			mg/L	0.0040	03/29/2000 0900	03/31/2000 1213	FTS
Chromium	6010B	ND			mg/L	0.010	03/29/2000 0900	03/31/2000 1213	FTS
Cobalt	6010B	0.43			mg/L	0.050	03/29/2000 0900	03/31/2000 1213	FTS
Copper	6010B	0.31			mg/L	0.010	03/29/2000 0900	03/31/2000 1213	FTS

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : MW-1
 Lot Number : BC24014-008 (191009)
 Client : Catawba Environmental, Inc.
 Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 0945
 Matrix : Aqueous

Parameters	Prep Method	Analytical			Q	Units	PQL	Prep Date/Time	Analysis	
		Method	Result						Date/Time	Analyst
ICP-AES										
Lead	6010B	ND				mg/L	0.0060	03/29/2000 0900	03/31/2000 1213	FTS
Magnesium	6010B	42				mg/L	10	03/29/2000 0900	03/31/2000 1213	FTS
Nickel	6010B	0.11				mg/L	0.080	03/29/2000 0900	03/31/2000 1213	FTS
Selenium	6010B	ND				mg/L	0.010	03/29/2000 0900	03/31/2000 1213	FTS
Silver	6010B	ND				mg/L	0.010	03/29/2000 0900	03/31/2000 1213	FTS
Tin	6010B	ND				mg/L	0.10	03/29/2000 0900	03/31/2000 1213	FTS
Zinc	6010B	1.1				mg/L	0.040	03/29/2000 0900	03/31/2000 1213	FTS
CVAA										
Mercury	7470A	0.00013				mg/L	0.00010	03/28/2000 0900	03/28/2000 1659	JLW

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : MW-2
 Lot Number : BC24014-009 (191010)
 Client : Catawba Environmental, Inc.
 Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 1028
 Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
Specific Conductance		120.1	2910		umhos/cm	10.0		04/05/2000 1600	SEH
Oil and Grease		413.1	ND		mg/L	5.0		04/04/2000 0900	JBK
pH		150.1	3.52		Std. units			03/27/2000 1545	SEH
Volatile Organic Compounds by GC/MS									
Acetone	8260B	ND		ug/L	20		03/29/2000 0556	@	
Benzene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Bromodichloromethane	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Bromoform	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Bromomethane (Methyl bromide)	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
2-Butanone (MEK)	8260B	ND		ug/L	10		03/29/2000 0556	@	
Carbon disulfide	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Carbon tetrachloride	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Chlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Chloroethane	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Chloroform	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Chloromethane (Methyl chloride)	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
cis-1,2-Dichloroethene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
cis-1,3-Dichloropropene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
1,2-Dibromo-3-chloropropane (DBCP)	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Dibromochloromethane	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
1,2-Dibromoethane (EDB)	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
1,2-Dichlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
1,3-Dichlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
1,4-Dichlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
1,1-Dichloroethane	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
1,2-Dichloroethane	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
1,1-Dichloroethene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
1,2-Dichloropropane	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Ethylbenzene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
2-Hexanone	8260B	ND		ug/L	10		03/29/2000 0556	@	
Methyl tertiary butyl ether (MTBE)	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
4-Methyl-2-pentanone	8260B	ND		ug/L	10		03/29/2000 0556	@	
Methylene chloride	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Naphthalene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Styrene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
1,1,2,2-Tetrachloroethane	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Tetrachloroethene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
Toluene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
trans-1,2-Dichloroethene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	
trans-1,3-Dichloropropene	8260B	ND		ug/L	5.0		03/29/2000 0556	@	

Footnote(s) @ = SC DHEC Cert. #84009

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Soils reported on a dry weight basis unless flagged with a "W"

Description : MW-2
Lot Number : BC24014-009 (191010)
Client : Katawba Environmental, Inc.
Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 1028
 Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	8260B	ND			ug/L	5.0		03/29/2000 0556	@
1,1,2-Trichloroethane	8260B	ND			ug/L	5.0		03/29/2000 0556	@
Trichloroethene	8260B	ND			ug/L	5.0		03/29/2000 0556	@
Vinyl chloride	8260B	ND			ug/L	2.0		03/29/2000 0556	@
Xylenes (total)	8260B	ND			ug/L	5.0		03/29/2000 0556	@
Surrogates									
1,2-Dichloroethane-d4	8260B	99.0		%	70.0-130			03/29/2000 0556	@
Toluene-d8	8260B	112		%	70.0-130			03/29/2000 0556	@
Bromofluorobenzene	8260B	107		%	70.0-130			03/29/2000 0556	@
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Acenaphthylene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Anthracene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Benzo(a)anthracene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Benzo(a)pyrene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Benzo(b)fluoranthene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Benzo(g,h,i)perylene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Benzo(k)fluoranthene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Chrysene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Dibeno(a,h)anthracene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Fluoranthene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Fluorene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Indeno(1,2,3-c,d)pyrene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Naphthalene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Phenanthrene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Pyrene	8270C	ND			ug/L	5.0	03/27/2000 1055	03/30/2000 1327	MWK
Surrogates									
2-Fluorobiphenyl	8270C	68.6		%	30.0-130	03/27/2000 1055	03/30/2000 1327	MWK	
Terphenyl-d14	8270C	24.7		%	30.0-130	03/27/2000 1055	03/30/2000 1327	MWK	
Nitrobenzene-d5	8270C	68.0		%	30.0-130	03/27/2000 1055	03/30/2000 1327	MWK	
ICP-AES									
Antimony	6010B	ND			mg/L	0.0050	03/29/2000 0900	03/29/2000 1854	FTS
Arsenic	6010B	0.047			mg/L	0.0050	03/29/2000 0900	03/29/2000 1854	FTS
Barium	6010B	1.1			mg/L	0.025	03/29/2000 0900	03/29/2000 1854	FTS
Cadmium	6010B	0.024			mg/L	0.0020	03/29/2000 0900	03/29/2000 1854	FTS
Chromium	6010B	0.065			mg/L	0.0050	03/29/2000 0900	03/29/2000 1854	FTS
Cobalt	6010B	0.31			mg/L	0.025	03/29/2000 0900	03/29/2000 1854	FTS
Copper	6010B	0.66			mg/L	0.0050	03/29/2000 0900	03/29/2000 1854	FTS

Footnote(s) @ = SC DHEC Cert. #84009

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : MW-2
 Lot Number : BC24014-009 (191010)
 Client : Catawba Environmental, Inc.
 Date Received : 03/24/2000
 Collect Date : 03/22/2000
 Collect Time : 1028
 Matrix : Aqueous

Parameters	Prep	Analytical	Q	Units	PQL	Prep	Analysis	Analyst
	Method	Method				Date/Time		
ICP-AES								
Lead	6010B	0.14		mg/L	0.0030	03/29/2000 0900	03/29/2000 1854	FTS
Magnesium	6010B	22		mg/L	5.0	03/29/2000 0900	03/29/2000 1854	FTS
Nickel	6010B	0.091		mg/L	0.040	03/29/2000 0900	03/29/2000 1854	FTS
Selenium	6010B	ND		mg/L	0.0050	03/29/2000 0900	03/29/2000 1854	FTS
Silver	6010B	ND		mg/L	0.0050	03/29/2000 0900	03/29/2000 1854	FTS
Tin	6010B	ND		mg/L	0.050	03/29/2000 0900	03/29/2000 1854	FTS
Zinc	6010B	0.56		mg/L	0.020	03/29/2000 0900	03/29/2000 1854	FTS
CVAA								
Mercury	7470A	ND		mg/L	0.00010	03/28/2000 0900	03/28/2000 1701	JLW

Footnote(s) @ = SC DHEC Cert. #84009

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank
 J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Soils reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Description : MW-3
Lot Number : BC24014-010 (191011)
Client : Catawba Environmental, Inc.
Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 1053

Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
Specific Conductance		120.1	2400		umhos/cm	10.0		04/05/2000 1600	SEH
Oil and Grease		413.1	ND		mg/L	5.0		04/04/2000 0900	JBK
pH		150.1	3.26		Std. units			03/27/2000 1545	SEH
Volatile Organic Compounds by GC/MS									
Acetone	8260B	ND		ug/L	20		03/29/2000 0632	@	
Benzene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Bromodichloromethane	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Bromoform	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Bromomethane (Methyl bromide)	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
2-Butanone (MEK)	8260B	ND		ug/L	10		03/29/2000 0632	@	
Carbon disulfide	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Carbon tetrachloride	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Chlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Chloroethane	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Chloroform	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Chloromethane (Methyl chloride)	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
cis-1,2-Dichloroethene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
cis-1,3-Dichloropropene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
1,2-Dibromo-3-chloropropane (DBCP)	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Dibromochloromethane	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
1,2-Dibromoethane (EDB)	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
1,2-Dichlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
1,3-Dichlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
1,4-Dichlorobenzene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
1,1-Dichloroethane	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
1,2-Dichloroethane	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
1,1-Dichloroethene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
1,2-Dichloropropane	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Ethylbenzene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
2-Hexanone	8260B	ND		ug/L	10		03/29/2000 0632	@	
Methyl tertiary butyl ether (MTBE)	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
4-Methyl-2-pentanone	8260B	ND		ug/L	10		03/29/2000 0632	@	
Methylene chloride	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Naphthalene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Styrene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
1,1,2,2-Tetrachloroethane	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Tetrachloroethene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
Toluene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
trans-1,2-Dichloroethene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	
trans-1,3-Dichloropropene	8260B	ND		ug/L	5.0		03/29/2000 0632	@	

Footnote(s) @ = SC DHEC Cert. #84009

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ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
Soils reported on a dry weight basis unless flagged with a "W"

Description : MW-S
 Lot Number : BC24014-010 (191011)
 Client : Catawba Environmental, Inc.
 Date Received : 03/24/2000

Collect Date : 03/22/2000
 Collect Time : 1053
 Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
1,1,1-Trichloroethane	8260B	ND			ug/L	5.0		03/29/2000 0632	@
1,1,2-Trichloroethane	8260B	ND			ug/L	5.0		03/29/2000 0632	@
Trichloroethylene	8260B	ND			ug/L	5.0		03/29/2000 0632	@
Vinyl chloride	8260B	ND			ug/L	2.0		03/29/2000 0632	@
Xylenes (total)	8260B	ND			ug/L	5.0		03/29/2000 0632	@
Surrogates									
1,2-Dichloroethane-d4	8260B	102		%	70.0-130			03/29/2000 0632	@
Toluene-d8	8260B	98.0		%	70.0-130			03/29/2000 0632	@
Bromofluorobenzene	8260B	104		%	70.0-130			03/29/2000 0632	@
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Acenaphthylene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Anthracene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Benzo(a)anthracene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Benzo(a)pyrene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Benzo(b)fluoranthene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Benzo(g,h,i)perylene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Benzo(k)fluoranthene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Chrysene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Dibenzo(a,h)anthracene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Fluoranthene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Fluorene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Indeno(1,2,3-c,d)pyrene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Naphthalene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Phenanthrene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Pyrene	8270C	ND			ug/L	6.5	03/27/2000 1055	03/30/2000 1746	MWK
Surrogates									
Terphenyl-d14	8270C	44.4		%	30.0-130	03/27/2000 1055	03/30/2000 1746	MWK	
2-Fluorobiphenyl	8270C	66.7		%	30.0-130	03/27/2000 1055	03/30/2000 1746	MWK	
Nitrobenzene-d5	8270C	66.5		%	30.0-130	03/27/2000 1055	03/30/2000 1746	MWK	
ICP-AES									
Antimony	6010B	ND			mg/L	0.0050	03/29/2000 0900	03/29/2000 1900	FTS
Arsenic	6010B	0.0054			mg/L	0.0050	03/29/2000 0900	03/29/2000 1900	FTS
Barium	6010B	0.057			mg/L	0.025	03/29/2000 0900	03/29/2000 1900	FTS
Cadmium	6010B	0.0036			mg/L	0.0020	03/29/2000 0900	03/29/2000 1900	FTS
Chromium	6010B	0.038			mg/L	0.0050	03/29/2000 0900	03/29/2000 1900	FTS
Cobalt	6010B	0.35			mg/L	0.025	03/29/2000 0900	03/29/2000 1900	FTS
Copper	6010B	0.33			mg/L	0.0050	03/29/2000 0900	03/29/2000 1900	FTS

Footnote(s) @ = SC DHEC Cert. #84009

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 ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Soils reported on a dry weight basis unless flagged with a "W"

Description : MW-3
Lot Number : BC24014-010 (191011)
Client : Catawba Environmental, Inc.
Date Received : 03/24/2000

Collect Date : 03/22/2000
Collect Time : 1053
Matrix : Aqueous

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
ICP-AES									
Lead		6010B	ND		mg/L	0.0030	03/29/2000 0900	03/29/2000 1900	FTS
Magnesium		6010B	26		mg/L	5.0	03/29/2000 0900	03/29/2000 1900	FTS
Nickel		6010B	0.12		mg/L	0.040	03/29/2000 0900	03/29/2000 1900	FTS
Selenium		6010B	ND		mg/L	0.0050	03/29/2000 0900	03/29/2000 1900	FTS
Silver		6010B	ND		mg/L	0.0050	03/29/2000 0900	03/29/2000 1900	FTS
Tin		6010B	ND		mg/L	0.050	03/29/2000 0900	03/29/2000 1900	FTS
Zinc		6010B	0.48		mg/L	0.020	03/29/2000 0900	03/29/2000 1900	FTS
CVAA									
Mercury		7470A	ND		mg/L	0.00010	03/28/2000 0900	03/28/2000 1702	JLW

Footnote(s) @ = SC DHEC Cert. #84009

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank
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 Soils reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

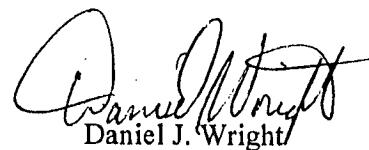
SHEALY ENVIRONMENTAL SERVICES, INC.
Scientists and Consultants

Report of Analysis

Katawba Environmental, Inc.

PO Box 11228
Rock Hill, SC 29730
Attention : Alex Amos

Lot Number : BC13007
Date Completed : 03/24/2000



Daniel J. Wright

Project Manager

Total number of pages in report : 11

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SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

SC DHEC No. 32010

NC DEHNR No. 329

Client : **Katawba Environmental, Inc.
PO Box 11228
Rock Hill, SC 29730**

Attention : **Alex Amos**

Description : **SB-1** Collect Date : **03/08/2000**
 Lot Number : **BC13007-001 (190035R)** Collect Time : **1532**

Date Received : **03/13/2000** Matrix : **Solid**

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
% Solids			160.3	89.0	%			03/14/2000 1935	JPS
Volatile Organic Compounds by GC/MS									
Acetone	5035	8260B	ND		ug/kg	23		03/16/2000 1641	ECM
Benzene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Bromodichloromethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Bromoform	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Bromomethane (Methyl bromide)	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
2-Butanone (MEK)	5035	8260B	ND		ug/kg	11		03/16/2000 1641	ECM
Carbon disulfide	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Carbon tetrachloride	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Chlorobenzene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Chloroethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Chloroform	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Chloromethane (Methyl chloride)	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
1,2-Dibromo-3-chloropropane (DBCP)	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Dibromochloromethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
1,2-Dibromoethane (EDB)	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
cis-1,2-Dichloroethene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
trans-1,2-Dichloroethene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
trans-1,3-Dichloropropene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
cis-1,3-Dichloropropene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
1,2-Dichlorobenzene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
1,3-Dichlorobenzene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
1,4-Dichlorobenzene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
1,1-Dichloroethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
1,2-Dichloroethane	5035	8260B	5.9		ug/kg	5.7		03/16/2000 1641	ECM

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : SB-1
 Lot Number : BC13007-001 (190035R)
 Client : Catawba Environmental, Inc.
 Date Received : 03/13/2000

Collect Date : 03/08/2000
 Collect Time : 1532
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
1,1-Dichloroethene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
1,2-Dichloropropane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Ethylbenzene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
2-Hexanone	5035	8260B	ND		ug/kg	11		03/16/2000 1641	ECM
Methyl tertiary butyl ether (MTBE)	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
4-Methyl-2-pentanone	5035	8260B	ND		ug/kg	11		03/16/2000 1641	ECM
Methylene chloride	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Naphthalene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Styrene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
1,1,2,2-Tetrachloroethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Tetrachloroethene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Toluene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
1,1,1-Trichloroethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
1,1,2-Trichloroethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Trichloroethene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Vinyl chloride	5035	8260B	ND		ug/kg	11		03/16/2000 1641	ECM
Xylenes (total)	5035	8260B	ND		ug/kg	5.7		03/16/2000 1641	ECM
Surrogates									
1,2-Dichloroethane-d4	5035	8260B	97.3	%	70.0-130			03/16/2000 1641	ECM
Toluene-d8	5035	8260B	108	%	70.0-130			03/16/2000 1641	ECM
Bromofluorobenzene	5035	8260B	109	%	70.0-130			03/16/2000 1641	ECM
Semivolatile Organic Compounds by GC/MS									
Acenaphthene		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
Acenaphthylene		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
Anthracene		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
Benzo(a)anthracene		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
Benzo(a)pyrene		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
Benzo(b)fluoranthene		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
Benzo(g,h,i)perylene		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
Benzo(k)fluoranthene		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
bis(2-Chloroethoxy)methane		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
bis(2-Chloroethyl)ether		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
—bis(2-Chloroisopropyl)ether		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
bis(2-Ethylhexyl)phthalate		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
4-Bromophenyl phenyl ether		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
Butyl benzyl phthalate		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
Carbazole		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
4-Chloro-3-methyl phenol		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
4-Chloroaniline		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
2-Chloronaphthalene		8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK

PQL = Practical quantitation limit

B = Detected in method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at PQL

J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

Description : SB-1
Lot Number : BC13007-001 (190035R)
Client : Katawba Environmental, Inc.
Date Received : 03/13/2000

Collect Date : 03/08/2000
Collect Time : 1532

Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Semivolatile Organic Compounds by GC/MS									
2-Chlorophenol	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
4-Chlorophenyl phenyl ether	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Chrysene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Di-n-butyl phthalate	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Di-n-octylphthalate	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Dibenzo(a,h)anthracene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Dibenzofuran	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
1,2-Dichlorobenzene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
1,3-Dichlorobenzene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
1,4-Dichlorobenzene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
3,3'-Dichlorobenzidine	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
2,4-Dichlorophenol	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Diethylphthalate	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Dimethyl phthalate	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
2,4-Dimethylphenol	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
4,6-Dinitro-2-methylphenol	8270C	ND	ug/kg	920	03/16/2000 1000	03/21/2000 2138	MWK		
2,4-Dinitrophenol	8270C	ND	ug/kg	920	03/16/2000 1000	03/21/2000 2138	MWK		
2,4-Dinitrotoluene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
2,6-Dinitrotoluene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Fluoranthene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Fluorene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Hexachlorobenzene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Hexachlorobutadiene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Hexachlorocyclopentadiene	8270C	ND	ug/kg	920	03/16/2000 1000	03/21/2000 2138	MWK		
Hexachloroethane	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Indeno(1,2,3-c,d)pyrene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Isophorone	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
2-Methylnaphthalene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
2-Methylphenol	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
3 & 4-Methylphenol	8270C	ND	ug/kg	740	03/16/2000 1000	03/21/2000 2138	MWK		
N-Nitrosodi-n-propylamine	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
N-Nitrosodiphenylamine	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Naphthalene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
2-Nitroaniline	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
3-Nitroaniline	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
4-Nitroaniline	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
Nitrobenzene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
2-Nitrophenol	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		
4-Nitrophenol	8270C	ND	ug/kg	920	03/16/2000 1000	03/21/2000 2138	MWK		
Pentachlorophenol	8270C	ND	ug/kg	920	03/16/2000 1000	03/21/2000 2138	MWK		
Phenanthrene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK		

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : SB-1
 Lot Number : BC13007-001 (190035R)
 Client : Catawba Environmental, Inc.
 Date Received : 03/13/2000

Collect Date : 03/08/2000
 Collect Time : 1532
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Semivolatile Organic Compounds by GC/MS									
Phenol	8270C	ND			ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
Pyrene	8270C	ND			ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
1,2,4-Trichlorobenzene	8270C	ND			ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
2,4,5-Trichlorophenol	8270C	ND			ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
2,4,6-Trichlorophenol	8270C	ND			ug/kg	370	03/16/2000 1000	03/21/2000 2138	MWK
Surrogates									
Nitrobenzene-d5	8270C	64.6		%	30.0-130	03/16/2000 1000	03/21/2000 2138	MWK	
2,4,6-Tribromophenol	8270C	83.0		%	30.0-130	03/16/2000 1000	03/21/2000 2138	MWK	
2-Fluorobiphenyl	8270C	64.7		%	30.0-130	03/16/2000 1000	03/21/2000 2138	MWK	
Terphenyl-d14	8270C	84.1		%	30.0-130	03/16/2000 1000	03/21/2000 2138	MWK	
2-Fluorophenol	8270C	67.3		%	30.0-130	03/16/2000 1000	03/21/2000 2138	MWK	
Phenol-d5	8270C	66.5		%	30.0-130	03/16/2000 1000	03/21/2000 2138	MWK	

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank
 J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Soils reported on a dry weight basis unless flagged with a "W"

Description : SB-2
Lot Number : BC13007-002 (190036R)
Client : Catawba Environmental, Inc.
Date Received : 03/13/2000

Collect Date : 03/08/2000
Collect Time : 1559
Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
% Solids			160.3	74.0	%			03/14/2000 1935	JPS
Volatile Organic Compounds by GC/MS									
Acetone	5035	8260B	ND		ug/kg	23		03/16/2000 1731	ECM
Benzene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Bromodichloromethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Bromoform	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Bromomethane (Methyl bromide)	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
2-Butanone (MEK)	5035	8260B	ND		ug/kg	11		03/16/2000 1731	ECM
Carbon disulfide	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Carbon tetrachloride	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Chlorobenzene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Chloroethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Chloroform	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Chloromethane (Methyl chloride)	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
1,2-Dibromo-3-chloropropane (DBCP)	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Dibromochloromethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
1,2-Dibromoethane (EDB)	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
cis-1,2-Dichloroethene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
trans-1,2-Dichloroethene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
trans-1,3-Dichloropropene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
cis-1,3-Dichloropropene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
1,2-Dichlorobenzene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
1,3-Dichlorobenzene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
1,4-Dichlorobenzene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
1,1-Dichloroethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
1,2-Dichloroethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
1,1-Dichloroethene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
1,2-Dichloropropane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Ethylbenzene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
2-Hexanone	5035	8260B	ND		ug/kg	11		03/16/2000 1731	ECM
Methyl tertiary butyl ether (MTBE)	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
4-Methyl-2-pentanone	5035	8260B	ND		ug/kg	11		03/16/2000 1731	ECM
Methylene chloride	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Naphthalene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Styrene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
1,1,2,2-Tetrachloroethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Tetrachloroethene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Toluene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
1,1,1-Trichloroethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
1,1,2-Trichloroethane	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : SB-2
Lot Number : BC13007-002 (190036R)
Client : Katawba Environmental, Inc.
Date Received : 03/13/2000

Collect Date : 03/08/2000
Collect Time : 1559

Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
Trichloroethene	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Vinyl chloride	5035	8260B	ND		ug/kg	11		03/16/2000 1731	ECM
Xylenes (total)	5035	8260B	ND		ug/kg	5.7		03/16/2000 1731	ECM
Surrogates									
1,2-Dichloroethane-d4	5035	8260B	90.2	%	70.0-130			03/16/2000 1731	ECM
Toluene-d8	5035	8260B	106	%	70.0-130			03/16/2000 1731	ECM
Bromofluorobenzene	5035	8260B	109	%	70.0-130			03/16/2000 1731	ECM
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Acenaphthylene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Anthracene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Benzo(a)anthracene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Benzo(a)pyrene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Benzo(b)fluoranthene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Benzo(g,h,i)perylene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Benzo(k)fluoranthene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
bis(2-Chloroethoxy)methane	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
bis(2-Chloroethyl)ether	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
bis(2-Chloroisopropyl)ether	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
bis(2-Ethylhexyl)phthalate	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
4-Bromophenyl phenyl ether	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Butyl benzyl phthalate	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Carbazole	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
4-Chloro-3-methyl phenol	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
4-Chloroaniline	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
2-Chloronaphthalene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
2-Chlorophenol	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
4-Chlorophenyl phenyl ether	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Chrysene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Di-n-butyl phthalate	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Di-n-octylphthalate	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Dibenzo(a,h)anthracene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Dibenzofuran	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
1,2-Dichlorobenzene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
1,3-Dichlorobenzene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
1,4-Dichlorobenzene	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
3,3'-Dichlorobenzidine	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
2,4-Dichlorophenol	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Diethylphthalate	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	
Dimethyl phthalate	8270C	ND		ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK	

PQL = Practical quantitation limit

B = Detected in method blank

E = Quantitation of compound exceeded the calibration range

ND = Not detected at PQL

J = Estimated result less than the PQL

Soils reported on a dry weight basis unless flagged with a "W"

Description : SB-2
 Lot Number : BC13007-002 (190036R)
 Client : Katawba Environmental, Inc.
 Date Received : 03/13/2000

Collect Date : 03/08/2000
 Collect Time : 1559
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Semivolatile Organic Compounds by GC/MS									
2,4-Dimethylphenol	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
4,6-Dinitro-2-methylphenol	8270C	ND	ug/kg	1100	03/16/2000 1000	03/21/2000 2030	MWK		
2,4-Dinitrophenol	8270C	ND	ug/kg	1100	03/16/2000 1000	03/21/2000 2030	MWK		
2,4-Dinitrotoluene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
2,6-Dinitrotoluene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
Fluoranthene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
Fluorene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
Hexachlorobenzene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
Hexachlorobutadiene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
Hexachlorocyclopentadiene	8270C	ND	ug/kg	1100	03/16/2000 1000	03/21/2000 2030	MWK		
Hexachloroethane	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
Indeno(1,2,3-c,d)pyrene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
Isophorone	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
2-Methylnaphthalene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
2-Methylphenol	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
3 & 4-Methylphenol	8270C	ND	ug/kg	900	03/16/2000 1000	03/21/2000 2030	MWK		
N-Nitrosodi-n-propylamine	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
N-Nitrosodiphenylamine	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
Naphthalene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
2-Nitroaniline	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
3-Nitroaniline	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
4-Nitroaniline	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
Nitrobenzene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
2-Nitrophenol	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
4-Nitrophenol	8270C	ND	ug/kg	1100	03/16/2000 1000	03/21/2000 2030	MWK		
Pentachlorophenol	8270C	ND	ug/kg	1100	03/16/2000 1000	03/21/2000 2030	MWK		
Phenanthrene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
Phenol	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
Pyrene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
1,2,4-Trichlorobenzene	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
2,4,5-Trichlorophenol	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
2,4,6-Trichlorophenol	8270C	ND	ug/kg	440	03/16/2000 1000	03/21/2000 2030	MWK		
Surrogates									
Nitrobenzene-d5	8270C	59.1	%	30.0-130	03/16/2000 1000	03/21/2000 2030	MWK		
2,4,6-Tribromophenol	8270C	62.5	%	30.0-130	03/16/2000 1000	03/21/2000 2030	MWK		
2-Fluorobiphenyl	8270C	58.4	%	30.0-130	03/16/2000 1000	03/21/2000 2030	MWK		
Terphenyl-d14	8270C	82.5	%	30.0-130	03/16/2000 1000	03/21/2000 2030	MWK		
2-Fluorophenol	8270C	61.0	%	30.0-130	03/16/2000 1000	03/21/2000 2030	MWK		
Phenol-d5	8270C	59.5	%	30.0-130	03/16/2000 1000	03/21/2000 2030	MWK		

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : SB-3
 Lot Number : BC13007-003 (190037R)
 Client : Katawba Environmental, Inc.
 Date Received : 03/13/2000

Collect Date : 03/08/2000
 Collect Time : 1639

Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
% Solids		160.3	86.3		%			03/14/2000 1935	JPS
Volatile Organic Compounds by GC/MS									
Acetone	5035	8260B	ND		ug/kg	22		03/16/2000 1805	ECM
Benzene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Bromodichloromethane	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Bromoform	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Bromomethane (Methyl bromide)	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
2-Butanone (MEK)	5035	8260B	ND		ug/kg	11		03/16/2000 1805	ECM
Carbon disulfide	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Carbon tetrachloride	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Chlorobenzene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Chloroethane	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Chloroform	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Chloromethane (Methyl chloride)	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
1,2-Dibromo-3-chloropropane (DBCP)	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Dibromochloromethane	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
1,2-Dibromoethane (EDB)	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
cis-1,2-Dichloroethene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
trans-1,2-Dichloroethene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
trans-1,3-Dichloropropene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
cis-1,3-Dichloropropene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
1,2-Dichlorobenzene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
1,3-Dichlorobenzene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
1,4-Dichlorobenzene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
1,1-Dichloroethane	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
1,2-Dichloroethane	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
1,1-Dichloroethene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
1,2-Dichloropropene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Ethylbenzene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
2-Hexanone	5035	8260B	ND		ug/kg	11		03/16/2000 1805	ECM
Methyl tertiary butyl ether (MTBE)	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
4-Methyl-2-pentanone	5035	8260B	ND		ug/kg	11		03/16/2000 1805	ECM
Methylene chloride	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Naphthalene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Styrene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
1,1,2,2-Tetrachloroethane	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Tetrachloroethene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Toluene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
1,1,1-Trichloroethane	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
1,1,2-Trichloroethane	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : SB-3
 Lot Number : BC13007-003 (190037R)
 Client : Catawba Environmental, Inc.
 Date Received : 03/13/2000

Collect Date : 03/08/2000
 Collect Time : 1639
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GC/MS									
Trichloroethene	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Vinyl chloride	5035	8260B	ND		ug/kg	11		03/16/2000 1805	ECM
Xylenes (total)	5035	8260B	ND		ug/kg	5.6		03/16/2000 1805	ECM
Surrogates									
1,2-Dichloroethane-d4	5035	8260B	93.8	%	70.0-130			03/16/2000 1805	ECM
Toluene-d8	5035	8260B	104	%	70.0-130			03/16/2000 1805	ECM
Bromofluorobenzene	5035	8260B	109	%	70.0-130			03/16/2000 1805	ECM
Semivolatile Organic Compounds by GC/MS									
Acenaphthene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Acenaphthylene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Anthracene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Benzo(a)anthracene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Benzo(a)pyrene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Benzo(b)fluoranthene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Benzo(g,h,i)perylene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Benzo(k)fluoranthene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
bis(2-Chloroethoxy)methane	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
bis(2-Chloroethyl)ether	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
bis(2-Chloroisopropyl)ether	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
bis(2-Ethylhexyl)phthalate	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
4-Bromophenyl phenyl ether	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Butyl benzyl phthalate	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Carbazole	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
4-Chloro-3-methyl phenol	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
4-Chloroaniline	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
2-Chloronaphthalene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
2-Chlorophenol	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
4-Chlorophenyl phenyl ether	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Chrysene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Di-n-butyl phthalate	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Di-n-octylphthalate	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Dibenzo(a,h)anthracene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Dibenzofuran	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
1,2-Dichlorobenzene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
1,3-Dichlorobenzene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
1,4-Dichlorobenzene	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
3,3'-Dichlorobenzidine	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
2,4-Dichlorophenol	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Diethylphthalate	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	
Dimethyl phthalate	8270C	ND		ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK	

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

Description : SB-3
 Lot Number : BC13007-003 (190037R)
 Client : Katawba Environmental, Inc.
 Date Received : 03/13/2000

Collect Date : 03/08/2000
 Collect Time : 1639
 Matrix : Solid

Parameters	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Semivolatile Organic Compounds by GC/MS									
2,4-Dimethylphenol	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
1,6-Dinitro-2-methylphenol	8270C	ND	ug/kg	940	03/16/2000 1000	03/21/2000 2104	MWK		
2,4-Dinitrophenol	8270C	ND	ug/kg	940	03/16/2000 1000	03/21/2000 2104	MWK		
2,4-Dinitrotoluene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
2,6-Dinitrotoluene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
Fluoranthene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
Fluorene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
Hexachlorobenzene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
Hexachlorobutadiene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
Hexachlorocyclopentadiene	8270C	ND	ug/kg	940	03/16/2000 1000	03/21/2000 2104	MWK		
Hexachloroethane	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
Indeno(1,2,3-c,d)pyrene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
Isophorone	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
2-Methylnaphthalene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
2-Methylphenol	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
3 & 4-Methylphenol	8270C	ND	ug/kg	760	03/16/2000 1000	03/21/2000 2104	MWK		
N-Nitrosodi-n-propylamine	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
N-Nitrosodiphenylamine	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
Naphthalene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
2-Nitroaniline	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
3-Nitroaniline	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
4-Nitroaniline	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
Nitrobenzene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
2-Nitrophenol	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
4-Nitrophenol	8270C	ND	ug/kg	940	03/16/2000 1000	03/21/2000 2104	MWK		
Pentachlorophenol	8270C	ND	ug/kg	940	03/16/2000 1000	03/21/2000 2104	MWK		
Phenanthrene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
Phenol	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
Pyrene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
1,2,4-Trichlorobenzene	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
2,4,5-Trichlorophenol	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
2,4,6-Trichlorophenol	8270C	ND	ug/kg	370	03/16/2000 1000	03/21/2000 2104	MWK		
Surrogates									
Nitrobenzene-d5	8270C	59.0	%	30.0-130	03/16/2000 1000	03/21/2000 2104	MWK		
2,4,6-Tribromophenol	8270C	66.4	%	30.0-130	03/16/2000 1000	03/21/2000 2104	MWK		
2-Fluorobiphenyl	8270C	57.7	%	30.0-130	03/16/2000 1000	03/21/2000 2104	MWK		
Terphenyl-d14	8270C	82.0	%	30.0-130	03/16/2000 1000	03/21/2000 2104	MWK		
2-Fluorophenol	8270C	59.9	%	30.0-130	03/16/2000 1000	03/21/2000 2104	MWK		
Phenol-d5	8270C	58.2	%	30.0-130	03/16/2000 1000	03/21/2000 2104	MWK		

PQL = Practical quantitation limit

ND = Not detected at PQL

B = Detected in method blank

J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range

Soils reported on a dry weight basis unless flagged with a "W"

CHAIN OF CUS: UDY #

Telephone No. (803) 791-9700 Fax No. (803) 791-9111
Cayce, South Carolina 29033

CHAIN OF CUSTODY RECORD 6382
SAMPLE ANALYSIS REQUIRED

Reporting Address -

Attention - Alex Amos

Telephone No. 20 No.

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Section 7.0 Conclusions

Katawba Environmental, Inc. has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 and 1528 on the York County Henry's Knob site, located on Henry's Knob Road near the Township of Bethany, County of York, State of South Carolina, referred to as the subject site in this report. This assessment has revealed evidence of recognized environmental conditions or concerns in connection with the subject property.

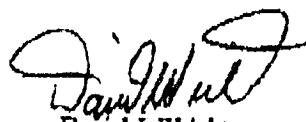
- The vehicle maintenance area at the entrance of the subject site should be investigated for the presence of contaminants. It is known that this area was used for maintaining and servicing of equipment used in mining operations from 1947 until 1970. In addition the area was allegedly used to store drums of unidentified waste for a limited time.
- The pond area at the center of the mine void should be investigated for the presence of contaminates associated with the former mining operations. Burial of illegal materials could possibly have taken place at the pond.
- A subsurface investigation at the peak of the knob should be performed to ascertain the amount of solid waste at the shingle dump area.
- Subsurface shallow borings should be placed in the mine tailing and drainage basins to identify possible contaminants contributing to stressed vegetation.
- The subject property appears to be in violation Stormwater Regulations and may requiring a stormwater permit.

SHEALY ENVIRONMENTAL SERVICES, INC.
Scientists and Consultants

Report of Analysis

Katowba Environmental, Inc.
PO Box 11228
Rock Hill, SC 29731
Attention : Alex Amos

Lot Number : BD06056
Date Completed : 04/14/2000


Daniel J. Wright
Project Manager

Total number of pages in report : 3

This report has been prepared and reviewed in accordance with Shealy's Quality Assurance Management Plan. Any data qualifiers associated with sample analysis are footnoted on the analytical results page(s). This report shall not be reproduced, except in its entirety, without the written approval of Shealy Environmental Services, Inc.



SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

SC DHEC No. 32010

NC DEMNR No. 31

Client : **Katowba Environmental, Inc.**
PO Box 11228
Rock Hill, SC 29731

Attention : **Alex Amos**
PO Number : **Owen**

Description : **1** Collect Date : **04/05/2000**
Lot Number : **BD06036-001 (192097)** Collect Time : **1103**

Date Received : **04/06/2000** Matrix : **Solid**

Parameter	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyst
Inorganic non-metals									
% Solids			150.3	EQ	%			04/10/2000 1420	JPS
TCLP Metals									
Arsenic	1311/3010A	6010B	ND		mg/L	0.050	04/14/2000 0900	04/14/2000 1818	FTS

PQL = Practical quantitation limit
ND = Not detected at PQL

B = Detected in method blank
J = Estimated result less than the PQL

H = Quantitation of compound exceeded the calibration range
Solids reported on a dry weight basis unless flagged with a 'W'

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Page 1 of 2

Description : 3
 Lot Number : BD06956-002 (192098)
 Client : Kettwicks Environmental, Inc.
 Date Received : 04/06/2000

Collect Date : 04/06/2000
 Collect Time : 1108
 Matrix : Solid

Parameter	Prep Method	Analytical Method	Result	Q	Units	PQL	Prep Date/Time	Analysis Date/Time	Analyzer
Inorganic non-metals									
% Solids			180.3	B1.0	%			04/10/2000 1420	JPS
TCLP Metals									
Arsenic	1311/301DR	6010B	ND		mg/L	0.050	04/14/2000 0900	04/14/2000 1621	FTS

PQL = Practical quantitation limit
 ND = Not detected at PQL

B = Detected in method blank
 J = Estimated result less than the PQL

E = Quantitation of compound exceeded the calibration range
 Solids reported on a dry weight basis unless flagged with a "W"

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive, Cayce, South Carolina 29033 (803) 791-9700 Fax (803) 791-9111 www.shealyenvironmental.com

Page 2 of 2

USE OF SMALL MORTGAGE PREMIUMS

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantinge Politics Online

Cause Smith Case No. 28192

Treatment No. 1012 781 ftm E-11 N-1000' and 2000'

THE JOURNAL OF CLIMATE

Client Name _____
Respecting Address _____

CHAIN OF CUSTODY RECORD

SAMPLE ANSWERS

